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Volume 132 JULY 12, 1937 Number 2

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Oil, Paint and Drug Reporter

Founded 1871 by William O. Allison

Volume 132 JULY 12, 1937 Number 2

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Wisconsin High Court Approves Price Pacts

State Fair Trade Act Is Held Valid—Cooperatives Are Denied Exemption

Reversing the finding of a lower bench, the Supreme Court of the State of Wisconsin has upheld the validity of the contractual price provisions of the State fair trade act against the contentions that these were in violation of Federal antitrust laws and constituted an illegal delegation of price-fixing powers.

The State high court ruled, however, that the provisions of the act, which exempted cooperative organizations from contractual obligation in respect of a minimum resale price, was invalid. It pointed out that the failure of this provision did not affect the validity of other provinces of the act.

The Weco Products Company, Chicago, an Illinois corporation licensed to do business in Wisconsin, brought suit against the Reed Drug Company, a Milwaukee chain-store organization, to restrain the latter from selling articles trademarked by the Weco company at less than the resale price set by the latter in contracts with other distributors under the Wisconsin act.

The defendant contended that the fair trade act was invalid because contracts thereunder were in restraint of interstate commerce and because it delegated to the State department of agriculture and markets unconstitutional powers to fix prices. The defendant also contended that the exemption of cooperative organizations from the obligations imposed by the act constituted illegal discrimination, which invalidated the statute. These contentions influenced the Milwaukee county court to deny the Weco company the relief it sought.

The State supreme court reversed this decision. It held that the application of contracts under the law did not affect interstate commerce, and that, although the title was differently worded, the purpose of the act was identical with that of the California and Illinois laws, which had been upheld by the Supreme Court of the United States. Specifically declaring that the act "does not fix prices or require that prices be fixed," or "regulate anything or anybody," the court said that it applied a legal method to prohibit price-fixing "in a legitimate legislative attempt to afford protection to the validly acquired rights of others."

With respect to the exemption of cooperatives the court agreed with the contention of the defense, finding that this was inconsistent with the general and public purpose and object of the act. On these grounds it declared the exempting provision to be void. Because the act contains a severability clause, the voiding of one section does not affect other sections.

Costa Rica Approves U.S. Tariff Bargain

WASHINGTON, July 6, 1937.

The Department of State has announced that the President of Costa Rica, July 2, proclaimed the tariff bargain between the United States and the Republic of Costa Rica, and that the agreement will go into effect August 2, 1937.

The text of the agreement was announced November 30, 1936, and includes duty reductions for United States exports of paints, packaged drugs, pharmaceuticals, dentifrices, lard, chewing gum, dried milk, and other products. Details of the rate changes were printed in the REPORTER, December 7, 1936.

Kewanee Oil Company has filed articles of incorporation under the laws of Delaware, with capital for taxation of $5,000.000.

Drug Ad Control by F.T.C. Favored by House Committee

WASHINGTON, July 9, 1937.

The house committee on interstate commerce today favorably reported the Lea bill to expand the powers of the Federal Trade Commission and to give it direct control of advertising of foods, drugs, cosmetics and therapeutic devices.

The bill is reported as an amendment, in the nature of a substitute, to the Wheeler bill (S. 1077), with all the senate language stricken out. It gives the commission power to prevent unfair or deceptive acts or practices, and requires respondents to appeal cease and desist orders within sixty days. But it drops many provisions of the Wheeler bill extending the commission's investigating powers.

Civil penalties up to $5,000 for each violation of any order of the commission are provided.

Dissemination of any false advertisement of food, drugs, devices, or cosmetics in or affecting sales in interstate commerce is made unlawful and an unfair or deceptive practice. Where the commission believes any person is engaged or is about to engage in false advertising it may secure a temporary injunction from a district Federal court pending completion of cease and desist order procedure.

Where false advertising is with intent to defraud or misleading, penalties are imposed up to $5,000 and six months for first offense and double for subsequent violations, and where violations of this sort are found the commission shall certify the case to the Department of Justice for prosecution.

Publishers and advertising agencies are exempt if they reveal the identity of the advertiser.

False advertising is defined as follows:—

Any advertisement other than labeling which is misleading in a material respect:—and in determining whether any advertisement is misleading there shall be taken into account (among other things) not only representations made or suggested by statement, word, design, device, sound or any combination thereof, but also the extent to which the advertisement fails to reveal facts material in the light of such representations or material with respect to consequences which may result from the use of the commodity to which the advertisement relates; if, at the time of dissemination of the advertisement, there exists a substantial difference of opinion, among experts qualified by scientific training and experience, as to the truth of a representation, the advertisement shall not be considered misleading on account of such representation, if it states clearly and prominently the fact of such difference of opinion; provided, that no advertisement of a drug shall be deemed to be false if it is disseminated only to a member of the medical profession, contains no false representation of a material fact and includes, or is accompanied in each instance by, truthful disclosure of the formula showing quantitatively each ingredient of such drug.

Cosmetics are defined to exclude soap.

Tydings Bill Action In Senate May Lag

Court Reform Jam Aggravated By King's Opposition to Rider Plan

WASHINGTON, July 8, 1937.

Senate action on the Tydings-Miller resale price-maintenance bill may be delayed for some time while that body debates the proposal to reorganize the supreme court.

The bill is now before the senate as an amendment to the District of Columbia tax bill, already passed by the house, which is classed as an emergency measure because of the fact that the District has entered a new fiscal year with a large deficit. Senate leaders have intimated that they might not permit the court bill to be laid aside for the consderation of any other business, and debate on this bill may last for several weeks. It is possible that an exception may be made in behalf of the D. C. bill because of its emergency character.

(Continued on page 56)

Whale Oil Excise Tax Evasion Is Alleged

WASHINGTON, July 6, 1937.

Evasion of the excise tax of 3 cents per pound on whale oil of foreign origin is alleged in charges laid before the congressional joint committee on tax avoidance by representatives of domestic dairy and vegetable oil interests. The charge involves some 20,000 tons of whale oil imported at New York and Norfolk early this year on Norwegian tankers and exempted from the excise tax on the representation that the oil was a product of American fisheries.

The protestants declare that, although this whale oil was rendered on a factory ship, the "Frango," of reputed American ownership, operating in the southern Indian Ocean, the whales had been caught by foreign whalers, hence the oil was not a product of American fisheries.

A. M. Loomis, local representative of large dairy interests and spokesman for a conference of producers of various kinds of domestic edible and inedible oils and fats, has asked Chairman Rob-

(Continued on page 56)

Labor Standards Bill Revised

Senate Committee Drops Discretionary Variations —Hearings on Schedules Required

WASHINGTON, July 8, 1937.

The senate labor committee today voted a favorable report on the Black-Connery bill for federal regulation of wages and hours in industry, but with amendments which change it considerably from the form in which it was introduced.

The proposed labor standards board would have power to fix minimum wages and maximum hours for various industries; but, as amended, the bill would prevent minimum wages from being set at more than 40 cents an hour or maximum hours at less than forty hours a week. No wage and hours standards would be fixed except after hearings.

The committee eliminated provisions under which the board would have had broad powers over wages and hours, including discretion to fix wages above the minimum for various classes of workers.

A provision was added permitting the U. S. Tariff Commission to investigate differences in production costs in this country and abroad attributable to the operation of this act. Retailing operations would not be covered, but local manufacturing which competed with the products of interstate business would be brought under the board's jurisdiction.

The house labor committee will begin executive consideration of the bill next week.

Rayon Corporations Hit By F.T.C. as Conspiracy

Ten Concerns Ordered to Desist From Entering Into Price-Fixing

WASHINGTON, July 6, 1937.

Ten corporations manufacturing substantially all of the viscose rayon yarn made in the United States, in an order issued by the Federal Trade Commission, are directed to "cease and desist from entering into and carrying out a price-fixing combination held to be in violation of section 5 of the Federal Trade Commission Act."

The commission charged, in its complaint, that the respondent rayon corporation had entered into "an agreement, combination, understanding, and conspiracy among themselves" to eliminate price competition among themselves.

After extensive hearings, during which a voluminous record was compiled, the commission found that the respondent corporations entered into a price-fixing conspiracy in the sale of viscose rayon yarn which prevented price competition in such yarn, increased its prices, as well as the prices of cloth made of such yarn and of articles of wear made of such cloth.

Respondent corporations against whom the order has been entered are:—

Viscose Company, New York City, with branch offices in Providence, R. I.; Charlotte, N. C.; Chicago and Philadelphia, and factories in Pennsylvania, Virginia and West Virginia.

Du Pont Rayon Company, Inc., with plants at Buffalo, N. Y.; Old Hickory, Tenn., and Ampthill, Va.

Tubize Chatillon Corporation, with plants at Hopewell, Va., and Rome, Ga.

Industrial Rayon Corporation, with offices in New York City and plant at Cleveland, Ohio.

North American Rayon Corporation (formerly American Glanzstoff Corporation), with offices and plant in New York City.

American Enka Corporation, with plant at Enka, N. C.

Skenandoa Rayon Corporation, with plant in Utica, N. Y.

Delaware Rayon Company, of Newcastle, Del.

Acme Rayon Corporation, Cleveland, Ohio.

The Belamose Corporation, Rocky Hill, Conn.

The complaint also named as respondents twenty-two members of the accounting firm of Price, Waterhouse & Co., of New York, it being alleged that the rayon producers engaged the services of this firm to detect and report deviations from the prices agreed upon by the producers. The Commission's order dismissed the proceeding as to Price, Waterhouse & Co.

Rayon Price Policies Unchanged by Order

Producers of viscose process rayon in this city said that the order of the Federal Trade Commission against 10 corporations to "cease and desist" from carrying out an "agreement, combination, understanding, and conspiracy among themselves," to eliminate price competition, would most likely, not be appealed nor would it have any effect upon present price policies. They pointed out that the order was based upon practices alleged to be in violation of the Federal Trade Commission Art during the period from October 1931 to May 1932, and that the commission does not charge that these practices have been in use at any time since then. Prices, they said, are now, and have been for several years, based upon supply and demand.

Socony-Vacuum Oil Company is to erect an addition to its grease plant at Franklin, Pa., to cost $50,000. This improvement is part of a $225,000 expansion program, and the plants at Buffalo and Cleveland are also to be enlarged.

Closing Market Developments

Hungarian Chamomile Up

Prices on Hungarian chamomile were advanced to 32c. to 33c. per pound late last week as the result of European advices. Reports declared that the crop was less than one-half of normal, that Europe had been buying heavily, and that at this time seventy-five percent of the reduced crop has been sold. Another advice stated that Hungary had issued a decree creating a monopoly in the sale of the article, thus raising prices on new crop goods.

Straits Tin Easier

The market for Straits tin turned easier late in the week. Sellers were asking 59⅜c. per pound. Soda stannate declined ½c. per pound Friday at 37½c. to 40½c. per pound, but showed an advance of ½c. per pound for the week, compared with the close of the previous period. Tin crystals were priced at 41½c. to 42c. per pound, and anhydrous tetrachloride of tin was listed at 30c. per pound.

Fertilizer Organics Steady

Organic fertilizer materials held steady as the week drew to a close. Japanese sardine meal sold at $47 per ton for shipment from abroad. Nearby arrival was quoted at $40 per ton. Dried blood sold at $3.35 per unit in New York.

Calcium nitrate was offered last week at $27.50 per ton for July delivery, ex vessel Camden, N. J.

Government Crop Report

The July government report was issued late on Friday. It put the flaxseed acreage at 1,081,000 acres, the condition at 73.7 and the indicated production 7,622,000 bushels. The production last season was 5,906,000 bushels. The indicated production of corn was 2,571,851,000 bushels against 1,529,327,000 bushels last season.

Foreign Tariff Notes

Information recently published by the Department of Commerce on foreign tariffs and related trade regulations includes the following data:—

Calcium Carbide:—Chile has increased the import duty on calcium carbide from 5.00 to 6.75 gold pesos per 100 gross kilos.

Copra:—New Caledonia will pay throughout 1937 a premium of 60 francs per metric ton on exports of copra from New Caledonia.

Petroleum Products:—Guadeloupe has reduced the import duty on petroleum, schist and other mineral illuminating oils, crude and refined and including gasoline, from 7.05 francs to 7.00 francs per 100 liters.

Pyrites Residues:—Portugal has made the exportation of pyrites residues subject to permit.

Starch:—Germany has authorized the Minister of Finance to grant duty exemption in exceptional cases on various kinds of starch. The authorization applied formerly only to ground potato starch.

Trisoda Phosphate:—Uruguay has included trisoda phosphate for industrial use in the raw materials section of the tariff, to be dutiable at 5 percent plus a surtax of 4 percent of an official valuation of 20 pesos per 100 kilos.

Pyrethrum Insecticides:—French Indochina has changed the importy duty on insecticides with a pyrethrum base from a specific to an ad valorem rate. The new ad valorem rates are:—15 percent, instead of 3 francs per gram of pyrethrum content, in the minimum tariff; 60 percent, instead of 12 francs per gram of pyrethrum content, in the general tariff.

Soybeans:—United Kingdom has announced, effective May 14, an increase from 11 shillings 6 pence per ton to 14 shillings per ton in the rate of drawback payable on soybeans used in the manufacture of soybean oil and from 12 shillings per ton to 14 shillings 6 pence per ton on soybeans used in the manufacture of soybean flour, upon exportation from the United Kingdom.

Sulphur:—Roumania has exempted imports of sulphur from permit requirements.

J. A. Howell has been appointed sales manager for the Virginia-Carolina Chemical Corporation. He will have general supervision of the operations of all the company's sales offices, M. S. Purvis, vice-president, says.

Chemical Prices Held Steady

Steadiness, with some increase in firmness, was characteristic of the price situation in the markets for heavy and fine chemicals last week. Price changes were few, relatively small, and of minor importance. Business continued comparatively quiet, and operations in a number of consuming industries were being curtailed. Demand was spotty, activity being noticeable with respect to chlorine, anhydrous ammonia, ammonia alum, methyl chloride, phthalic anhydride, and creosote oil.

Prices were advanced on crude naphthalene, cocoa butter, and raw bone. Prices were reduced on natural methyl acetone, dibasic calcium phosphate, wet-ground mica, and imported bonemeal, also, at Chicago, on dried blood, hoofmeal, and fertilizer tankage.

The REPORTER'S composite index number of prices for heavy and fine chemicals was unchanged, being 127.1 (100 = average at August 1, 1914). In comparison with average prices in 1926 (as 100), the REPORTER'S index number is now 90.0, against 88.6 at this time last year.

Phillips Petroleum Company has purchased a 91-acre plot near Goldsmith, Tex., for a new casinghead gasoline plant to cost $1,750,000. The first unit, according to advices, is to process 50,000,000 cubic feet of natural gas daily, and a second unit probably will be built later for an additional 50,000,000 cubic feet daily.

R. & H. Chemicals Department of E. I. du Pont de Nemours & Co., Wilmington, Del., mailed the June number of "Artic Service News" in a paperboard model of the blue cylinder in which it ships methyl chloride for refrigeration use. The "cylinder" was labeled:—"Technical Information:— Artic (du Pont Methyl Chloride)."

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MacGregor Forms Own Lead Pigments Company

John R. MacGregor, who resigned about a month ago from the Eagle-Picher Lead Company, of which he was vice-president, has formed the John R. MacGregor Lead Company to manufacture lead pigments. The company will operate a plant at 4520 West Fifteenth street, Chicago.

The immediate plans of Mr. MacGregor's company are to produce high-tinting strength basic lead carbonate,

John R. MacGregor

basic lead sulphate, red lead, and litharge. It has adopted the brand, "Scotch Laddie." Manufacturing operations have been started. For the time being, at least, the company does not plan to market lead in oil.

Mr. MacGregor is president of the new lead pigments company. The other officers are:—Vice-president, Howard T. Morgan; treasurer, E. B. Dixon; secretary, M. Helper. The telephone number is Crawford 0500.

Smelting Strike Ended

Management of the American Smelting & Refining Company has reached an agreement with the C.I.O. local respecting its plant in Perth Amboy, N. J., and operations were resumed July 6.

The plant continues to operate as an open shop, but the C.I.O. group is recognized as the collective bargaining agency for all the 1,500 workers. Wages were increased as the company had originally offered, the pay of an unskilled worker being $5 for an eight-hour day, with the wages of other types "in fair proportion."

The agreement is in the form of a signed, one-year contract.

Heyden Chemical Heads Sail

Bernard R. Armour, president of the Heyden Chemical Corporation, and F. William Weckman, secretary of the company, sailed June 30 on the Washington for an extended business trip to Europe. In connection with business of the company they will visit London, Paris, Berlin, Brussels, and Zurich.

Chemical Salesmen to Hold Second Golf Match July 13

The Salesmen's Association of the American Chemical Industry will hold its second golf tournament July 13 at the Green Meadow Golf Club, Harrison, N. Y.

Members will play for all prizes except guests low net. Guests will play for special kickers prizes and low putts.

The entry fee is $4.00 per person, which includes greens fees, prize money, etc. There will be no extra charge for guests.

Those who have not made reservations may do so with B. F. Sheehan, of the Grasselli Chemicals Department, E. I. duPont de Nemours & Co., 350 Fifth Avenue, this city; telephone, MEdallion 3-6456.

Reynolds Metals Company stockholders have approved an increase in the authorized common stock to 1,500,000 shares from 1,150,000 shares. A total of 64,019 shares are to be offered to common stockholders at $17 a share in the ratio of one new share for each 15 held. Most of the new funds are to be used for working capital.

Copper Output of 1936 60 Percent Above 1935

Imports Drop from 515,364,526 Pounds to 380,677,700 In Twelve Months

Smelter production of primary copper from domestic sources in the United States in 1936 amounted to 1,222,819,396 pounds fine, an increase of approximately 60 percent over the preceding year, according to an advance report on the industry by the Bureau of Mines. The total compared with 762,587,340 pounds in 1935 and 488,454,107 pounds in 1934. The value of the smelter production from domestic ores in 1936 was $112,499,384,432, against $63,295,000 in 1935, and $39,076,000 in 1934.

The total production of new refined copper in 1936 was 1,644,977,410 pounds, an increase of 467,366,613 pounds over the preceding year. Apparent domestic consumption of new copper in 1936 was 1,312,357,720 pounds, compared with 882,741,148 in 1935.

Imports of copper, principally for smelting, refining, and export, dropped from 515,364,526 pounds in 1935, to 380,677,700 pounds in 1936. Exports in 1936 totaled 524,833,436 pounds.

In the following table imports of copper into the United States in 1936 and 1935 are shown:—

	Pounds	
	1936.	1935.
Ore (copper content)...	26,008,196	15,320,728
Concentrates (copper content)	61,938,875	60,395,625
Regulus, black, or coarse copper (copper content)	3,676,480	5,466,484
Unrefined black blister and converter, in pigs or converter bars....	276,272,920	396,949,353
Refined, in ingots, plates, or bars.....	9,563,232	36,142,671
Old and scrap.....	3,217,997	1,089,665
Totals	380,677,700	515,364,526

* Data include copper imported for immediate consumption plus material entering the country under bond.

Copeland Would Put Duty on White Oils

WASHINGTON, July 8, 1937.

A bill introduced in the senate by Senator Royal A. Copeland of New York would amend the 1930 tariff act specifically to remove "white oils under whatever name known conforming to Petrolatum Liquidum United States Pharmacopeia" from the free list.

The bill (S. 2723) makes no provision for including the products under a specific classification; and, if the bill should pass, the Bureau of Customs would be called upon to decide under what paragraph of the tariff act the commodities would come. In a ruling some time ago the bureau classified white oils as medicinal preparations under paragraph 5 and ruled that they should take the 25 percent ad valorem tariff provided in that paragraph. The courts reversed this ruling, however, and the products have been coming into the country free of duty under paragraph 1733, which places certain petroleum derivatives, specifically including paraffin oil, on the free list.

N.A.I.D.M. Disinfectant Standards Are Approved

The official specifications have been completed by the National Association of Insecticide and Disinfectant Manufacturers for "Liquid Hypochlorites Disinfectant, Deodorant, and Germicide," "Pine Oil Disinfectant," "Emulsifying Type Coaltar Disinfectant," and "Cresylic Disinfectants." These specifications, the substantial text of which was printed in the REPORTER for June 14, beginning on page 35, have been approved by the chairman of the association's committee on disinfectants.

Information with respect to these specifications maybe obtained from the secretary of the association, John H. Wright, 122 East Forty-second street, this city.

Cottonseed Division Elects

The Alabama-Florida division of the National Cottonseed Products Association has elected J. E. Major, Montgomery, Ala., chairman. The following directors have been chosen:—J. H. Bryson, Dothan: E. P. Kidd, Birmingham; F. S. Hunt, Decatur; E. L. Newman, Montgomery; W. T. Graham, Talladega; H. H. Conner, Eufaula, and F. W. Houston, Cullman.

The Evolution of Woodstains

By William H. Peacock

Woodstaining was one of the skilled crafts of ancient times. Tribal and individual arrow marks, totem poles, mummy cases, "medicine" beads, and other ritualistic regalia are early examples of the decoration of wood surfaces. It is proper to assume that most of the woodstaining practised in those historic times was done chiefly for artistic and identification purposes. In our day, however, the economic aspects are also of major importance. The relative scarcity and high cost of certain species of wood have necessitated the duplication of their appearance by altering that of those more abundantly available. This may be accomplished by coloring the surface of the wood by a process of staining, or painting, or dyeing.

The wood-finishing trade recognizes and definitely classifies three major types of wood decoration, namely, painting, dyeing, and staining. When a colored coating, usually resinous, is applied to the surface the process is called painting, or, if uncolored, it is called coating. When wood is permeated by dyes and thereby colored throughout its entirety, the process is called dyeing. When coloring matter is applied or a colored effect is otherwise produced only on the surface of the wood, using not more than a minimum amount of binder, the process is called woodstaining.

There is, of course, a type of product called varnish stains consisting of colored varnishes. However, their use is essentially a painting procedure. In this paper we shall restrict our discussion to the evolution of woodstains.

Woodstaining procedures today differ from those practised by the ancient craftsmen, especially in the type of woodstains used. Evolution in the art has been along the lines of the development of new dyes, new vehicles, and new methods of application. Most of this development has occurred during the last fifty years.

Coloring Materials

As is well known, the older artisans obtained all their coloring matters from natural sources. Many of their pigments and dyes are still in use today in various arts; although some of them are now made synthetically. The antiquity of these pigments may be realized better by citing a few examples given by Debonnet[1] and others. The "Tola" mentioned by Moses was cochineal; Dioscorides mentioned its use also in Greece (25 B. C.). Vermilion was used by the Chinese in 2500 B. C. A blue used by the Egyptians since the fourth dynasty is reported as a copper oxide, while their "Azzuro" was a copper carbonate, and ultramarine blue is still to be seen on old monuments on the upper Nile.

Indigo was one of the earliest dyes of India and Egypt, as was the woad of China and Europe. Blue smalt was used by the Assyrians. Blue smalt of natural origin was used until after its commercial synthesis was begun in Saxony in 1538. Lapis lazuli was brought into commerce from Tartary at the handsome value of $20 an ounce. Mangin from mango-fed Bengal cows, Tyrian purple from Mediterranean mollusks (known before 1000 B. C.), safflower, turmeric, and Persian berries from shrubs in the Orient, madder from Turkey and Holland, litmus, Archil, and other lichens from the Azores and Africa, and a great miscellany of fruits, berries, dyewoods, colored clays, and powdered rocks were other coloring matters used. A tabulation and excellent bibliography covering literature from 1685 to 1923 on the chemical constitution of many of these coloring matters is to be found in the Colour Index[2].

The discovery of America opened up the supply of dyewoods from the West Indies and South America and cochineal from Mexico, 1492-1518. Logwood, fustic, osage orange, and the soluble and insoluble redwoods were all used. Awakening science brought out prussian blue (1710), indigo extract (1740), and picric acid (1788), and all, for years, were used in wood staining.

Other products of the growing inorganic chemical industry, notably ammonia, permanganates, and bichromates, were used in large amounts. And finally, the rise of the synthetic dyestuff industry, following Perkin's work with mauve in 1856, placed in the hands of wood-finishers the hundreds of organic dyes and derivatives available today. In these times, therefore, we have for use not only the better of the pigments and dyewoods of antiquity, but also all the colored salts, mordants, and synthetic dyes of modern chemistry.

A chronological tabulation of the various periods in woodstain coloring would be substantially as follows:—

Use of natural materials—Earliest history to 1538 A. D.

Increasing use of dyewoods (notably logwood)—1492 A. D.

Use of synthetic duplications of native earths and stones—1538 A. D.

Use of synthetic inorganic reagents and mordants—1710 A. D.

Increasing use of synthetic organic dyes—1895 A. D. to date.

There are no sharp demarcations between these periods. Many formulas or trade secrets were disclosed only by father to son, so that dissemination of trade knowledge was slow. Accordingly, the production, distribution, and adoption for use of new materials was always a gradual development over long periods of years.

Vehicles

Early woodstains were applied by swabbing or brushing, using water solutions or pastes, or resinous oils mixed with turpentine or alcohol. This is essentially the manner in which much of the home woodstaining is done today. However, just as there have been gradual changes in the coloring matters used, so also there have been developed new vehicles and methods of application.

The speed-up of modern industry and the greatly increased use of woodstains

[1] Maurice G. Debonnet:—The Painters Magazine, January, 1921; page 26.

[2] Colour Index, first edition, 1924:—The Society of Dyers and Colorists, England.

(Continued on page 40)

Coaltar Dyes and Chemicals: 1936

(Continued from July 5 issue)

Synthetic Resins of Coaltar Origin

Production and Sales, 1936

	Production. Pounds.	Sales		
		Pounds.	Value.	Unit value.
Total*	116,334,635	85,285,926	$16,652,415	$0.20
Derived from—				
Phenol	50,635,448	48,125,099	9,015,339	.19
Phenol and cresols.....	7,281,897	3,690,595	1,019,560	.28
Cresols and xylenols.....	11,464,838	9,217,697	1,305,395	.14
Phthalic anhydride and maleic anhydride..	46,952,452	24,252,535	5,312,121	.22

* Does not include resins derived from coumarone and indene, styrol, hydrocarbons, and sulphonamides.

Rubber Chemicals of Coaltar Origin

Production and Sales, 1936

	Production. Pounds.	Sales		
		Pounds.	Value.	Unit value.
Total	30,753,901	21,563,223	$8,391,067	$0.39
Accelerators, total.....	17,449,435	11,375,166	4,828,980	.42
Butyraldehyde-aniline	820,183	.....	.....	...
Diphenylguanidine	1,628,375	1,327,624	441,760	.33
Mercaptobenzothiazole	7,551,596	.....	.....	...
Antioxidants, total.....	13,304,466	10,188,057	3,562,078	.34
Diphenyl-p-phenylenediamine	551,698	.....	.....	...

(Continued on page 34)

Lydia Pinkham Control War Won by Grandsons

Daughter and Grand-daughter Enjoined from Interfering With Business

BOSTON, July 8, 1937.

The Massachusetts Supreme Court today handed down a decision favoring the petition of the Lydia E. Pinkham Medicine Company, Lynn, Mass., for an injunction to prevent its treasurer, Mrs. Aroline P. Gove, only daughter of the founder, and its assistant treasurer, Miss Lydia P. Gove, Mrs. Gove's daughter, from interfering with the business. The court ruled that a single justice would draw up a final decree, which will include findings of a special master, Charles F. Lovejoy. The justices also ruled that the company, of which the original Lydia's grandson, Arthur W. Pinkham, is president, was entitled to damages from the Goves. The company has 112 shares of stock, equally divided between the Pinkham family, comprising Arthur Pinkham and his brothers Charles and Daniel, and the Gove family.

The victory of the grandsons ends a battle of thirty-seven years with the women relatives for control of the $3,000,000 patent medicine business founded by the Quaker school teacher more than sixty years ago.

It was pointed out that the decision would prevent the Goves from prosecuting a receivership suit they brought against the company in Maine, where it was incorporated over a year ago. In a 14,000 word report, Mr. Lovejoy found that the cause for the receivership action "was the refusal by the Pinkhams of the Gove offer to purchase their stocks."

In today's decision Justice Stanley E. Qua commented that Mrs. Gove is an elderly woman "who relies chiefly on the decisions of her daughter Lydia." The justice found that Miss Lydia undertook to make radical changes in the company's advertising program which her cousin Arthur disapproved. He declared the Goves also refused to attend directors' meetings, preventing the transaction of business. The master's findings, the court declared, made it plain that the Goves used their official position "to compel a sale of the Pinkham stock."

Blackstrap Tax Would Boost Alcohol Prices

WASHINGTON, July 8, 1937.

The proposed tax of approximately 3 cents per gallon on blackstrap molasses used for distillation purposes, which is included in the Jones sugar bill (H. R. 7667), just reported by the house committee on agriculture, will be opposed on the floor of the house by a large number of representatives and there is a strong probability that it may be defeated.

The blackstrap tax was not discussed in any of the lengthy hearings on the Jones bill but was added in executive session on motion of Representative Scott Lucas of Illinois. The Lucas amendment includes blackstrap for distillation purposes in the definition of manufactured sugar on which the bill imposes a tax of approximately ½ cent per pound. It is understood that very few members of the committee were interested in the amendment and that it was adopted without much consideration as a means of getting the measure to the floor of the house.

Opponents of the proposal are preparing to show that the tax would increase the price of industrial alcohol made from blackstrap by more than 7 cents per gallon but still would not permit the use of corn for the production of alcohol—this is presumed to be the object of the tax.

Oil Companies Seek Bonus

The Lion Oil Refining Company and the Phillips Petroleum Company have applied for a bonus of $1,000 from the State of Arkansas for opening up the new Shuler oil field in Union county, that State. Arkansas in 1935 passed an act to grant a bonus to any individual, firm or corporation developing the natural resources of the State in hitherto undeveloped areas. President T. H. Barton of the Lion company said if the bonus is granted it will be turned over to some charitable or civic organization.

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Current Market Quotations

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When not otherwise indicated, quotations are f.o.b. New York prices on large lots. Price changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.

A

Acacia (see Gum, Arabic)
Acetal, dms., works.....lb. .75 - 1.00
Acetaldehyde, dms., c.l., works.lb. .14 - —
l.c.l., works.....lb. .16 - —
Acetamide, CP, bots., kegs, c.l., works..lb. .35 - —
l.c.l., 1,000 lbs., works..lb. .43 - —
smaller lots, works.....lb. .48 - 1.00
tech., kegs, c.l., works.....lb. .32 - —
l.c.l., 1,000 lbs., works...lb. .38 - —
smaller lots, works.....lb. .43 - .75
Acetanilide, tech., 95%, bbls..lb. .24 Nom.
USP, bbls., 1,000 lbs.....lb. .25 - —
smaller lots.....lb. .26 - —
kegs, 1,000 lbs.....lb. .26 - —
smaller lots.....lb. .27 - —
Acetin, tech., dms.....lb. .33 - —
Acetoacetanilide, dms.....lb. .65 - .70
Acetone, CP, dms., c.l., dlvd..lb. .06 - —
l.c.l., dlvd.....lb. .06½- —
tanks, dlvd.....lb. .05 - —
Methyl (see M)
Acetophenone, bots.....lb. 1.30 - 1.45
cns., 25 lbs.....lb. 1.15 - 1.25
dms., 100 lbs.....lb. 1.05 - —
Acetphenetidin, bbls., kegs, 1,000 lbs..lb. 1.30 - —
single pkg.....lb. 1.35 - —
smaller pkgs.....lb. 1.32 - 1.40
Acid, abietic, bbls., c.l.....lb. .09¾- —
l.c.l. .....lb. .10 - —
Acetic, coml. or redist., 28%, bbls..100 lbs. 2.53 - 2.78
cbys. .....100 lbs. 3.03 - 3.28
56%, bbls.....100 lbs. 4.75 - 5.00
cbys. .....100 lbs. 5.25 - 5.50
70%, bbls.....100 lbs. 5.92 - 6.17
cbys. .....100 lbs. 6.40 - 6.65
80%, bbls.....100 lbs. 6.74 - 6.99
cbys. .....100 lbs. 7.24 - 7.49
glacial, nat., CP., cbys.100 lbs.14.00 - —
99.5%, nat., bbls., c.l., 100 lbs. 8.70 - 8.95
cbys. .....100 lbs. 9.20 - 9.45
syn., al. dms., c.l.100 lbs. 8.70 - 8.95
cbys. .....100 lbs. 9.20 - 9.45
USP, reagent, 99.8%, al. dms..100 lbs.10.75 -11.00
cbys. .....100 lbs.13.75 -14.00
pure, 80%, bbls., c.l..100 lbs. 3.60 - 3.85
cbys. .....100 lbs. 4.10 - 4.35
36%, bbls., c.l.....100 lbs. 4.05 - 4.25
cbys. .....100 lbs. 4.55 - 4.80
60%, bbls., c.l.....100 lbs. 6.79 - 7.04
cbys. .....100 lbs. 7.29 - 7.54
80%, bbls., c.l.....100 lbs. 8.53 - 9.08
cbys. .....100 lbs. 9.03 - 9.28

Acetic acid prices above apply delv'd at destination in the following States: Conn., Dela., D. of C., Md., Mass, N. J., N. Y., N. and S. Car., R. I., Penna., and Va. For all other States, except Wash., Ore., and Calif., prices are f.o.b. works, frt. equalized.

Acetic, anhydride, dms., c.l..lb. .13 - —
l.c.l., dms., cbys.....lb. .14 - .15
Acetylsalicylic, USP, bbls., 225 lbs..lb. .50 - —
boxes, 25 lbs.....lb. .51 - —
kegs, 100 lbs.....lb. .50 - —
Anthranilic, refd., bbls.....lb. .85 - .90
tech., bbls.....lb. .75 - —
Arsenous, tech. (see Arsenic, White).
USP., powd., dms., kegs...lb. .18 - —
Battery, cbys, c.l., E. works 100 lbs. 1.60 - —
l.c.l., 25 or more, E. works, 100 lbs. 1.85 - —
10-24, E. works.....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. or more lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. or more..lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .59 - .60
Boric, tech., 99.5%, gran., bbls., contracts, 80 tons, delvd. ton.105.00 - —
c.l., delvd.....ton.110.00 - —
l.c.l., ex whse.....ton.115.00 -120.00
sks., contracts, 80 tons, delvd..ton. 95.00 - —
c.l., delvd.....ton.100.00 - —
l.c.l., ex whse.....ton.105.00 -110.00
powd., bbls., contracts, 80 tons, delvd..ton.110.00 - —
c.l., delvd.....ton.115.00 - —
l.c.l., ex whse.....ton.120.00 -125.00
sks., contracts, 80 tons, delvd..ton.100.00 - —
c.l., delvd.....ton.105.00 - —
l.c.l., ex whse.....ton.110.00 -125.00
USP, $25 per ton higher.
Broenner's, bbls.....lb. 1.11 - —
Butyric, 99%, dms., c.l., S. Charleston, W. Va..lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —
Camphoric, cans.....lb. 5.50 - 5.70
Capric, dms.....lb. .19½- .20
Caproic, cans.....lb. 2.20 - —
Carbolic (see Phenol).
Castor oil, split, dms.....lb. .16 - .16½
Chlorosulphonic, cms., c.l., works..lb. .0350- —
5-drum lots, works.....lb. .04 - —
single drum.....lb. .05 - —
tanks, works.....lb. .03 - —
Chromic, 99%, dms., delvd. N.Y., lb. .1475- .1675
Cinnamic, refd., bots.....lb. 2.85 - 3.25
Citric, cryst., bbls.....lb. .25 - —
kegs .....lb. .27½- —
gran., bbls.....lb. .25 - —
kegs .....lb. .27½- —
powd., bbls.....lb. .25½- —
anhyd., gran. dms.....lb. .27½- —
powd., dms.....lb. .28 - —

Prices on citric acid are f.o.b. N. Y., Chicago and St. Louis deliveries are ½c. higher than N. Y.

Cleve's, bbls.....lb. .50 - —
Cottonseed oil, dms.....lb. .09½- .10¾
Cresylic, high-boil, dms., c.l., works, frt. equaled..gal. .89 - —
l.c.l., same basis....gal. .91 - —
Acid, cresylic, low-boil, dms., c.l., works, frt. equaled..gal. .92 - —
l.c.l., same basis....gal. .94 - —
imported pale, 97-99, dms..gal. 1.00 Nom
special resin grade, dms., c.l., works..lb. .10¾- —
l.c.l., same basis.....lb. .11¼- —
Crotonic, dms., works.....lb. .75 - 1.00
Diethylbarbituric (see Barbital).
Formic, dom., seaboard, 90%, cbys., f.o.b. stock points, c.l. .....lb. .11 - —
l.c.l., 25 and over.....lb. .1150- —
1-24 .....lb. .12 - —
inland territory, cbys., c.l.lb. .1185- —
l.c.l., 25 and over.....lb. .1235- —
1-24 .....lb. .1285- —
southern territory, cbys., c.l. lb. .1220- .1290
l.c.l., 25 and over.....lb. .1270- .1340
1-24 .....lb. .1320- .1390
Fumaric, bbls.....lb. .60 - —
Furoic, tech., fib. ctns., 100 lbs., works..lb. .35 - —
smaller lots, works.....lb. .45 - —
Gallic, tech., bbls.....lb. .65 - .68
N.F., VI, bbls.....lb. .77 - .80
Gamma, bbls.....lb. .85 - —
Gluconic, tech., 50%, bbls., 500 lbs..lb. .20 - —
H, bbls.....lb. .50 - .53
Hempseed oil, dms.....lb. .1180-.1225
Hydriodic, 47%, bots.....lb. 2.20 - 2.25
57%, bots.....lb. 2.65 - 2.70
Hydrobromic, 10% dilut., USP, lb. .20 - .21
pure, 34% conct, cbys.....lb. .42 - .44
Hydrochloric (see Muriatic).
Hydrocyanic, cyls, works...lb. .80 - 1.00
Hydrofluoric, 30%, bbls.....lb. .07 - .0750
lead, cbys.....lb. .09 - .0950
48%, lead cbys.....lb. .1150- .12
52%, lead cbys.....lb. .1250- .13
60%, lead cbys.....lb. .15 - .1550
Hydrofluosilicic, 30-35%. bbls.lb. .10½- .16
Hypophosphorus, USP, 30%, dms. lb. .75 - —
Lactic, tech., dark, 22%, bbls., c.l., works..100 lbs. 2.50 - —
l.c.l., bbls., works..100 lbs. 2.75 - —
cbys., works....100 lbs. 3.75 - —
44%, bbls., c.l., works, 100 lbs. 5.50 - —
l.c.l., bbls., works..100 lbs. 5.75 - —
cbys., works....100 lbs. 6.75 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.50 - —
l.c.l., bbls., works..100 lbs. 3.75 - —
cbys., works....100 lbs. 4.75 - —
44%, bbls., c.l., works, 100 lbs. 6.50 - —
l.c.l., bbls., works..100 lbs. 6.75 - —
cbys., works....100 lbs. 7.75 - —
50%, edible, 20 and over, bbls., cbys..lb. .10½- .11¼
plastic grade.....lb. .12¼- .13¼
5 to 19, edible, bbls., cbys., lb. .11 - .12
plastic grade.....lb. .12¾- .13¾
1 to 4, edible, bbls., cbys., lb. .11¼- .12½
plastic grade.....lb. .13¼- .14¼
80%, 5 and over, bbls., cbys..lb. .21 - .22
1 to 4 bbls., cbys .....lb. .21½- .22½
USP, X, 85%, cbys.....lb. .42 - .45
USP, VIII, 75%, cbys.....lb. .40 - .42
Laurent's, bbls.....lb. .45 - —
Linseed oil, dark or light, dms..lb. .1310- .1350
tanks .....lb. .1250- —
extra white, dms.....lb. .1125- .1175
split, dms.....lb. .1050- .1050
Maleic, powd., dms.....lb. .30 - .40
anhydride, dms.....lb. .33 - .43
Malic powd., kegs.....lb. .45 - .60
Mandelic, bots.....lb. 3.00 - —
fib. dms.....lb. 2.65 - 2.75
Mixed, tanks, nitric unit.....lb. .06½- .07½
sulphuric unit.....lb. .0085- .009
Monochloroacetic, tech., bbls.lb. .16 - .17
99%, bbls.....lb. .18 - .19
Monosulphonic, bbls.....lb. 1.50 - 1.60
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., 25 and over, E. works..100 lbs. 1.75 - —
10 to 24, works..100 lbs. 1.85 - —
1 to 9, works..100 lbs. 2.45 - —
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works, 100 lbs. 1.75 - —
l.c.l., 25 and over, works, 100 lbs. 2.00 - —
10 to 24, works..100 lbs. 2.10 - —
1 to 9, works..100 lbs. 2.70 - —
tanks, works.....100 lbs. 1.15 - —
22°, cbys., c.l., E. works, 100 lbs. 2.25 - —
l.c.l., 25 and over, works, 100 lbs. 2.50 - —
10 to 24, works..100 lbs. 2.60 - —
1 to 9, works..100 lbs. 3.20 - —
tanks, works.....100 lbs. 1.65 - —
C.P., U.S.P., dealers, cbys.lb. .06½- —
6-lb. bots.....lb. .18½- —
consumers, cbys.....lb. .08 - —
6-lb. bots.....lb. .20 - —
Myristic, dms.....lb. .14¼- .15
white, redist., dms.....lb. .15¾- .16½
Naphthenic, S.V. 120-200, dms., lb. .07 Nom.
210-230, dms.....lb. .09 Nom.
240-280, dms.....lb. .10 Nom.
sludges, dms.....lb. .05 Nom.
Nevile & Winther's, bbls....lb. .85 - .87
Nitric, 36°, cbys., c.l., E. works, 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works..100 lbs. 5.35 - —
1 to 9, works..100 lbs. 5.95 - —
38°, cbys., c.l., E. works, 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
l.c.l., 25 and over, E. works..100 lbs. 5.75 - —
10 to 24, works..100 lbs. 5.85 - —
1 to 9, works..100 lbs. 6.45 - —
40°, cbys., c.l., E. works, 100 lbs. 6.00 - —
l.c.l., 25 and over, E. works 100 lbs. 6.25 - —
10 to 24, works..100 lbs. 6.35 - —
1 to 9, works..100 lbs. 6.95 - —
42°, cbys., c.l., E. works, 100 lbs. 6.50 - —
Acid, nitric, 42°, cbys., l.c.l., 25 and over works.100 lbs. 6.75 - —
10 to 24, works..100 lbs. 6.85 - —
1 to 9, works..100 lbs. 7.45 - —
C.P., U.S.P., dealers, cbys.. lb. .11½- —
7-lb. bots.....lb. .22½- —
consumers, cbys.....lb. .13 - —
7-lb. bots.....lb. .24 - —
Oleum (see sulphuric fuming).
Oxalic, dom., bbls., c.l., works. lb. .10¾- —
10,000 lbs., and over....lb. .11 - —
smaller quantities.....lb. .12 - .14
Palm oil, dms.....lb. .06¾- .09¼
Phenylacetic, bots.....lb. 2.00 - 2.25
Phosphoric, tech., 50%, cbys.lb. .06 - —
75%, cbys.....lb. .09 - —
USP, 85%, s. g. 1.710, cbys., 70 lbs..lb. .12 - —
djns., 25 lbs. .15 - —
50% s.g., 1347, cbys., 70 lbs. lb. .12 - —
djns., 25 lbs. ....lb. .15 - —
10%, dilut., cbys. djns..lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .35 - —
Propionic, ref., cbys., works. lb. .25 Nom.
dms., works.....lb. .22 Nom.
tech., cbys., works.....lb. .20 Nom.
dms., works.....lb. .16 Nom.
Pyrogallic, tech., lump, powd., bbls..lb. .90 - —
cns .....lb. .95 - —
USP, cryst., cns.....lb. 1.55 - 1.60
resubl., cns.....lb. 1.90 - 2.00
Pyroligneous, bbls., dlvd. E.gal. .25 - —
Ricinoleic, dms.....lb. .38 - —
Salicylic, tech., bbls.....lb. .33 - —
USP. bbls.....lb. .40 - .45
Sebacic, C.P., bbls., works..lb. .58 - —
tech., bbls., works.....lb. .37 - .41
Soybean oil, dist., dms.....lb. .10¼- .11½
Stearic, distil., double pressed. bgs., dlvd..lb. .12¼- .13½
single pressed, bgs., dlvd.lb. .12 - .13
triple pressed, bgs., dlvd.lb. .13¼- .16¼
saponif., double pressed bgs., triple pressed, bgs., dlvd..lb. .12¾- .13¾
Succinic, bbls.....lb. .15½- .16½
Sulphanilic, CP, bots, works.lb. .75 - —
tech., dms., works.....lb. 1.60 - 1.68
Sulphonaphthenic, dms.....lb. .17 - —
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., 25 and over, works, 100 lbs. 1.50 - —
10 to 24, works..100 lbs. 1.60 - —
1 to 9, works..100 lbs. 2.20 - —
tanks, E. works.....ton.13.00 - —
66°, cbys., c.l., E. works, 100 lbs. 1.50 - —
l.c.l., 25 and over, works, 100 lbs. 1.75 - —
10 to 24, works..100 lbs. 1.85 - —
1 to 9, works..100 lbs. 2.45 - —
tanks, E. works.....ton.16.50 - —
98%, tanks, works.....ton.17.50 - —
C.P., U.S.P., dealers, cbys.. lb. .06½- —
9-lb. bots.....lb. .16½- —
consumers, cbys.....lb. .08 - —
9-lb. bots.....lb. .18 - —
fuming, 20%, tanks, E. works, ton.18.50 - —
65%, tanks, E. works....ton.36.00 - —
Tannic, tech., bbls.....lb. .26 - .32
USP, fluffy, bbls., 1,000 lbs. lb. .78 - —
smaller lots.....lb. .80 - —
powd., bbls., 1,000 lbs.....lb. .68 - —
smaller lots.....lb. .70 - —
Tartaric USP., dom., cryst. gran., powd., bbls., 10,000 lbs. or more, one shipment..lb. .24¾- —
smaller quantities ....lb. .25½- —
kgs. .....lb. .25¾- —
Tobias, bbls.....lb. .65 - —
Trichloroacetic, bots.....lb. 2.00 - 2.50
Tungstic, CP, kgs.....lb. No prices
tech., kgs.....lb. No prices
Aconite leaves, bls.....lb. .22 - .25
Root, bls.....lb. .30 - .32
Aconitine, amorph., bots.....oz.17.00 -18.00
vls. .....gr. .06 - .09
cryst., bots.....oz.30.00 - —
vls. .....gr. .09 - .11
Adeps, anhyd., dms....lb. .17½- .19
hyd., dms.....lb. .16 - .18
Agar, 1, bls.....lb. 1.15 - 1.20
2, bls.....lb. 1.05 Nom.
3, bls.....lb. .85 - .90
Agaric, white, bls.....lb. 3.00 - 3.25
Albumen, blood, dark, flake, bgs., c.l., Chicago..lb. .11 - —
l.c.l., bgs., Chicago....lb. .13 - .15
pow'd, grade A, Chicago, ton lots..lb. .15 - —
smaller lots, Chicago....lb. .18 - —
light, dom., flake, dms, Chicago..lb. .52 - .60
import, bgs.....lb. .50 -
Egg, ed., dom., bbls.....lb. 1.05 -
import, cs.....lb. .73 - .75
Alcohol, amyl (see also Fusel oil, refd.), ex pentane dms., c.l., frt. alld..lb. .133 - —
l.c.l., frt. alld.....lb. .143 - —
tanks, frt. alld.....lb. .123 - —
secondary, dms., c.l., frt. pd., E. of Rocky Mts..lb. .09½- —
l.c.l., same terms.....lb. .10 - —
tanks, same terms.....lb. .08½- —
Benzyl, cans.....lb. .70 - —
drums .....lb. .63 - —
Butyl, normal, dms., c.l., frt. alld..lb. .10 - —
l.c.l., frt., alld.....lb. .10½- —
tanks, frt., alld .....lb. .09 -
secondary, dms., c.l., frt. pd., E. of Rocky Mts..lb. .08 - —
l.c.l., same terms.....lb. .08¼- —
tanks, same terms.....lb. .07 - —
tertiary, denating, dms., frt. alld..lb. .14 - —
Capryl, pure, dms., works...lb. 2.50 - —
tech., dms., works .....lb. .85 - —
Cetyl, dom., C.P., fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs. .....lb. 1.70 - —
100 lbs. .....lb. 1.80 - —
25 lbs. .....lb. 1.90 - —
5 lbs. .....lb. 2.00 - —
coml., dms.....lb. .95 - —

Acacia—Alumina Acetate

Alcohol, cetyl, import, 85%, dms. 100 lbs. .55 - —
5 to 10 lbs.....lb. .75 - —
coml., dms., 350 lbs.....lb. .45 - —
Cinnamic, bots.....lb. 2.50 - 3.50
Denatured, CD11, 12, 13, dms., c.l., works, E. frt. equal.gal. .35 - —
20 dms., East.....gal. .37 - —
1-19 dms., East.....gal. .40 - —
tanks, East.....gal. .29 - —

Prices for territories other than E. of Rockies, 3c. per gal. higher. Tankcar sales require written authorization by Alcohol Tax Unit.

SD1, 190 pf., bbls., c.l., E. works..gal. .34 - —
19 bbls., E. works...gal. .36 - —
1 to 18 bbls., E. works, gal. .39 - —
dms., c.l., E. works....gal. .33 - —
19 dms., E. works...gal. .35 - —
1 to 18 dms., E. works, gal. .38 - —
tanks, E. works.....gal. .27 - —

Anhydrous, 5c. per gal. higher.

S.D., 23-g, works, E., dms., c.l., gal. .37½- —
19 dms.....gal .39½- —
1 to 18 dms.....gal. .42½- —
tanks .....gal. .31½- —

Prices for territories other than E. of Rockies, 3c. per gal. higher.

Special solvent, dms., c.l., E. works..gal. .34 - —
20 dms., E. works...gal. .36 - —
1 to 19 dms., E. works, gal. .39 - —
tanks, E. works.....gal. .28 - —

Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone, pure, contract, dms., c.l., frt. alld..lb. .13½- —
l.c.l., frt. alld.....lb. .14 - —
tech., contract, dms., c.l., frt. alld..lb. .12½- —
l.c.l., frt alld.....lb. .13 - —
Ethyl, 190 pf., ex molasses, bbls. c.l—gal. 4.13 - —
19 bbls.....gal. 4.15 - —
1 to 18 bbls.....gal. 4.18 - —
dms., c.l.....gal. 4.12 - —
19 dms.....gal. 4.14 - —
1 to 18 dms.....gal. 4.17 - —
tanks .....gal. 4.06 - —
absolute, dms. .....gal. 4.04 - 6.08½

Grain alcohol 45c. per gal. higher.

Furfuryl, tech., cns., works..lb. .45 - —
dms., c.l., 33,000 lbs., works, lb. .30 - —
l.c.l., 500 lbs. and more, works..lb. .35 - —
Hexyl, secondary, dms., c.l., frt. pd. E. of Rocky Mts.lb. .10 - —
l.c.l., same terms.....lb. .13½- —
tanks, same terms.....lb. .12 - —
Isoamyl, primary, dms., l.c.l., dlvd. .....lb. .27 - —
cans, works .....lb. .32 - —
Isobutyl, refd., dms., c.l.,works, frt. alld. E. of Rockies.lb. .09½- —
l.c.l., same terms.....lb. .10 - —
tanks, same terms.....lb. .08½- —
Isopropyl, denat., grd., dms., c.l., frt., alld..gal. .32 - —
l.c.l., frt., alld.....gal. .33 - —
refd., 91% dms., c.l., f.o.b. dest. .....gal. .39½- —
l.c.l., same terms....gal. .44½- —
tanks, same terms....gal. .34½- —
98%, dms., c.l., same terms, gal. .44½- —
l.c.l., same terms....gal. .49½- —
tanks, same terms....gal. .39½- —
tech., 91%, dms., c.l., same terms..gal. .35 - —
l.c.l., same terms....gal. .40 - —
tanks, same terms....gal. .30 - —
98%, dms., c.l., same terms, gal. .39½- —
l.c.l., same terms....gal. .44½- —
tanks, same terms....gal. .34½- —
Methyl (see Methanol)
Phenylethyl, bots., cns.....lb. 2.50 - 2.75
Propyl (see Isopropyl)
Aldehol denat. grade, dms., tanks, works..gal. .70 - .80
Aldol, 95%, dms., c.l., works..lb. .21 - —
l.c.l., works.....lb. .25 - —
Aletris root, bgs.....lb. .30 - .31
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. .10 - .11
Aloe, Barbados, true, cs.....lb. .85 - .90
Cape, cs.....lb. .19 - .20
Curacao, cs.....lb. .24 - .25
gourds, bbls.....lb. .50 - .51
Socotrine, kgs.....lb. .32 - .33
Aloin, bbls., cns.....lb. 1.60 - 1.65
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Althea root, cube cut, bls.....lb. .26 - .27
Alum, ammonia, burnt, USP, bbls. kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 3.00 - 3.25
dlvd. N.Y., Phila...100 lbs. 3.15 - —
lump, bbls., works....100 lbs. 3.25 - 3.50
dlvd. N.Y., Phila...100 lbs. 3.40 - —
powd., bbls., works....100 lbs. 3.40 - 3.65
dlvd. N.Y., Phila...100 lbs. 3.55 - —

Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N.Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point; dlvd. N.Y. prices apply to truck or ex warehouse.

Potash, gran., bbls., works, 100 lbs. 3.25 - 3.50
dlvd. N.Y., Phila...100 lbs. 3.40 - —
lump, bbls., works....100 lbs. 3.50 - 3.75
dlvd. N.Y., Phila...100 lbs. 3.65 - —
powd., bbls., works....100 lbs. 3.65 - 3.90
dlvd. N.Y., Phila...100 lbs. 3.80 - —

Potash alum prices on same basis as those for ammonia alum.

Potash-chrome, bbls.....lb. .07 - .07½
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00
Alumina acetate, CP, 20% solut., bbls..lb. .09 - .10

Alumina Chlor.—Amyl Acetate

Alumina chloride, anhyd., com'l, dms. (extra), 45,000 lbs. and over, works.....lb. .05 - —
12,000 to 40,000 lbs., works..lb. .06 - —
1,100 to 11,000 lbs., works..lb. .07 - —
140 to 575 lbs., works..lb. .08 - —
100 lbs., or less, works..lb. .09 - —
cryst., com'l, dms., c.l., works..lb. .06 - —
l.c.l., dms., works.....lb. .06¼- —
solution, 32 deg., cbys., c.l., works..lb. .02¾- —
l.c.l., cbys., works.....lb. .03¼- —
Hydrate, heavy, bbls., c.l., works..lb. .0290- —
less car lots, works....lb. .03½- —
light, bbls., dlvd.....lb. .13 - —
Oleate, dms., contr.....lb. .16¾- —
open order.....lb. .17½- .18½
Palmitate, precip., bbls.....lb. .23 - —
Resinate, precip., dms., dlvd.lb. .15 - —
Stearate, precip., bbls., ctns., c.l., lb. .19 - —
l.c.l., ton.....lb. .20 - —
less than ton.....lb. .21 - —
Sulphate, com'l bgs., c.l., works, frt. equaled..100 lbs. 1.85 - —
l.c.l., works, frt. equaled.. 100 lbs. 1.60 - —
bbls., c.l., works, frt. equald 100 lbs. 1.65 - —
l.c.l., works, frt. equald. 100 lbs. 1.80 - —
iron-free, bgs., c.l., works, 100 lbs. 2.00 - —
l.c.l., works.....100 lbs. 2.25 - 2.40
Alumina sulphate, iron-free, 100 lbs. 2.40 - —
10 to 24, dlvd. met. N.Y. 100 lbs. 2.55 - -
5 to 9, dlvd. met. N.Y. 100 lbs. 2.80 - —
1 to 4, dlvd. met. N. Y. 100 lbs. 3.30 - —
bbls., c.l., works.....100 lbs. 2.20 - —
l.c.l., works.....100 lbs. 2.45 - —
truckloads, dlvd., met. N.Y. 100 lbs. 2.60 - —
10 to 24, dlvd. met. N.Y. 100 lbs. 2.75 - —
5 to 9, dlvd., met. N.Y. 100 lbs. 3.00 - —
1 to 4, dlvd. met. N.Y. 100 lbs. 3.50 - —
Aluminum, 98-99%, dms., c.l...lb. .20 - —
l.c.l. .....lb. .21 - —
paste, extra fine lining, dms., 30,000 lbs., frt. alld. E. of Miss..lb. .63½- —
5,000 lbs., same basis..lb. .64½- —
2,000 lbs., single shipt., same basis..lb. .66 - —

On 2,000-lb. orders in split shipment the price is ½c. higher in lots of 400 lbs. and more; 1c. higher in lots of 200-399 lbs.; 3c. higher in lots of 10-199 lbs.; on smaller orders the price is higher than the 2,000-lb. basis by 1c. in lots of 1,000 lbs. and more; 2c. on 400-999 lbs.; 5c on 200-399 lbs.; 10c on 10-199 lbs.

Aluminum, paste, in, dms., 30,000 lbs., same bases..lb. .73½- —
5,000 lbs., same basis..lb. .74½- —
2,000 lbs., single shipt., same basis..lb. .75 - —
split shipts. (see note fine lining paste).
standard, dms., 30,000 lbs., same basis..lb. .41½- —
5,000 lbs., same basis..lb. .42½- —
2,000 lbs., single shipt., same basis..lb. .43 - —
split shipts. (see note fine lining paste).
powder, lining, extra fine, dms., 30,000 lbs., same basis..lb. .90½- —
5,000 lbs., same basis..lb. .91 - —
2,000 lbs., single shipt., same basis..lb. .92 - —
split shipts. (see note fine lining paste).
standard, dms., 30,000 lbs., same basis..lb. .55½- —
5,000 lbs., same basis..lb. .56½- —
2,000 lbs., single shipt., same basis..lb. .57 - —
split shipts. (see note fine lining paste).
litho, extra brilliant, dms., 30,000 lbs., same basis. lb. .41½- —
5,000 lbs., same basis..lb. .42½- —
2,000 lbs., single shipt., same basis..lb. .43 - —
split shipts. (see note fine lining paste).
extra fine, dms., 30,000 lbs., same basis..lb. .45½- —
5,000 lbs., same basis..lb. .46½- —
2,000 lbs., single shipt.. same basis..lb. .47 - —
split shipts. (see note fine lining paste).

Aluminum, powd., litho, standard dms., 30,000 lbs., same basis..lb. .40½- —
5,000 lbs., same basis..lb. .41½- —
2,000 lbs., single shipt., same basis..lb. .42 - —
split shipts. (see note fine lining paste).
wallpaper, dms., 30,000 lbs.. same basis..lb. .41½- —
5,000 lbs., same basis..lb. .42½- —
2,000 lbs., single shipt., same basis..lb. .43 - —
split shipts. (see note fine lining paste)
rubber comp., dms., 30,000 lbs.. same basis..lb. .38½- —
5,000 lbs., same basis..lb. .39½- —
2,000 lbs., single shipt., same basis..lb. .40 - —
split shipts (see note fine lining paste)
unpolished, dms., 30,000 lbs., same basis..lb. .35½- —
5,000 lbs., same basis..lb. .36½- —
2,000 lbs., single shipt., same basis..lb. .37 - —
split shipts. (see note fine lining paste)
varnish, extra brilliant, dms., 30,000 lbs., same basis..lb. .41½- —
5,000 lbs., same basis.lb. .42½- —
2,000 lbs., single shipt., same basis..lb. .43 - —
split shipts. (see note fine lining paste)
extra fine, dms., 30,000 lbs., same basis..lb. .45½- —
5,000 lbs., same basis.lb. .46½- —
2,000 lbs., single shipt., same basis..lb. .47 - —
split shipt (see note fine lining paste)
standard, dms., 30,000 lbs., same basis..lb. .40½- —
5,000 lbs., same basis.lb. .41½- —
2,000 lbs., single shipt., same basis..lb. .42 - —
split shipts. (see note fine lining paste)

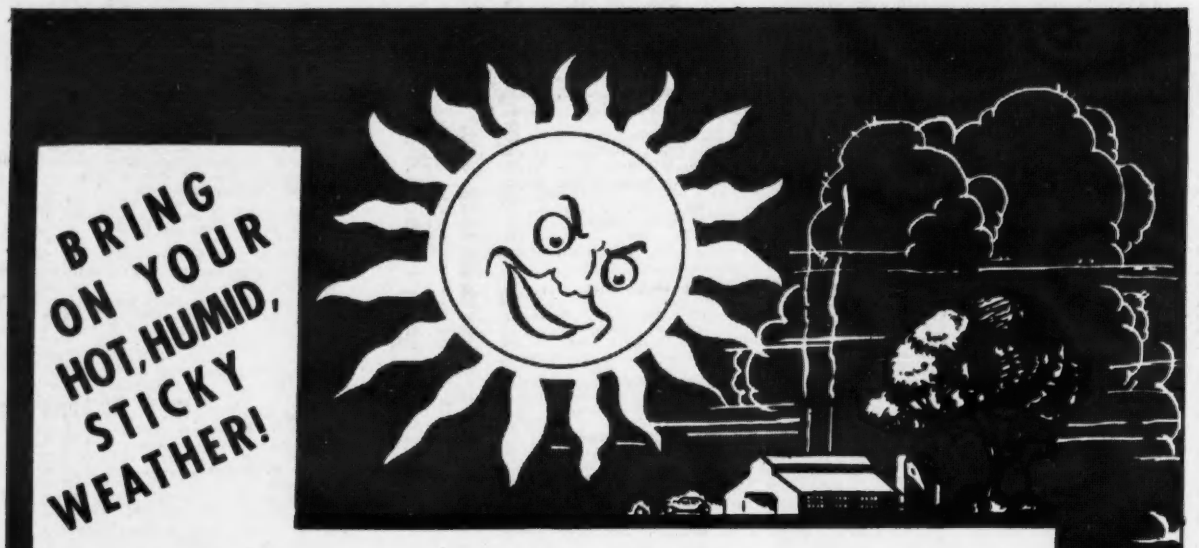
Ambergris, gray, tins.....oz. 17.00 -35.00
Amidopyrene, fib., dms., 100 lbs., lb. 4.00 - —
bots., 5 lbs. .....lb. 4.22 - 4.25
Ammonia, acetate, kgs.....lb. .26 - .33
Aldehyde, dms. .....lb. .65 - .70
Anhydrous, fertilizer, com'l, tanks (50,000 lbs.), works..lb. .04½- —
refrigeration, tanks, works..lb. .05 - —
pure, cyls., dlvd., met. N.Y., lb. .16 - .22

Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.

Aqua, 26°, cbys.....lb. .05¼- —
dms., c.l.....lb. .02¾- —
l.c.l. .....lb. .02½- —
tanks (on NH_3 content)...lb. .04½- —
tankwagons .....lb. .02 - —
Benzoate, dms., 4,000 lbs. or more..lb. .41 - .42
1,000 lbs. to 3,900 lbs....lb. .42 - .43
900 lbs. or less.....lb. .45 - .46
kgs., 4,000 lbs. or more...lb. .40 - —
1,000 lbs., to 3,900 lbs...lb. .41 - —
900 lbs. or less.....lb. .44 - —
Bicarbonate, bbls., c.l., works, 100 lbs. 5.15 - —
l.c.l., dlvd., N. Y....100 lbs. 5.71 - —
Bichromate, bbls.....lb. .32 - —
Bifluoride, bbls.....lb. .16 - .18
Borate, bbls., kgs.....lb. .15 - .16
Bromide, gran., bbls.....lb. .35 - —
bxs. .....lb. .38 - .39
kgs. .....lb. .36 - —
Carbonate, tech., dom., bbls..lb. .08 - .12½
imported, csks. .....lb. .08 - .12½
USP, lump, dms.....lb. .08 - .11
powd., bbls., dms.....lb. .09 - —
Chloride, tech. (see Ammoniac, sal)
USP, gran., bbls.....lb. .11 - .16
kgs. .....lb. .15 - —
Citrate, dms.....lb. .80 - —
cns. .....lb. .85 - —
Fluoride, bbls.....lb. .17 - .19
Hydroxide (see Ammonia, aqua).
Hypophosphite, fib., dms....lb. 1.10 - 1.17
jars .....lb. 1.20 - —
Iodide, 5-lb. bots.....lb. 3.32 - —
jars .....lb. 3.25 - —
Laurate, bbls.....lb. .23 - —
Linoleate, 80%, anhyd., bbls..lb. .15 - —
Naphthenate, bbls.....lb. .17 - —
Nitrate, tech., bags, c.l., works, 100 lbs. 3.60 - —
bbls., works.....100 lbs. 3.75 - —
l.c.l., bags, works.....100 lbs. 3.85 - —
bbls., works.....100 lbs. 4.00 - —
Oleate, dms.....lb. .15 - —
Oxalate, neutral, cryst., powd., bbls., kgs..lb. .22½- —
Perchlorate, kgs.....lb. .10 - —
Perchlorate, kgs.....lb. .16 - —
Phosphate, dibasic, N.F.V., bls. lb. .37 - —
kgs. .....lb. .39 - —
tech., bbls., c.l..... .07½- —
l.c.l. .....lb. .09 - .10
monobasic, crude (fertilizer grade), 11% N 48% phos., bulk, f.o.b. E. works..unit-ton. 1.20 & .70
pure, bbls.....lb. .40 - .45
tech., bbls., c.l.....lb. .07½- —
l.c.l. .....lb. .09 - .10
Ricinoleate, bbls.....lb. .15 - —
Salicylate, USP, kgs.....lb. 1.15 - 1.20
Sulphate, dom., bulk, c.l., f.o.b. ports or ovens, contr., 11-13 mos. July-Oct., ton..26.50 - —
Nov.-Dec. .....ton.27.00 - —
Jan.-June 1938.....ton.27.50 - —

Ammonia sulphate contracts any 6-10 mos., through June 1938, $1 per ton additional; contracts any 1-5 mos., through June 1938 $2 per ton additional; spot prices $3 per ton additional. Bag packing charged extra at $1.30 per ton for 200's and $2 per ton for 100's. Deliveries in Ill., Mich., Ind., Ohio, Wis. and Ohio river destinations in Ky. are f.o.b. ovens freight allowed.

Sulphide, liquid, 35-40%, basis 100%, dms., works..lb. .12 - .15
tanks, delvd .....lb. .11 - —
Sulphocyanide, com'l, fib., dms., 2,000 lbs., works..lb. .14 - —
smaller lots, works.....lb. .16 - —
pure, 99-100%, kgs.....lb. .55 - —
Ammoniac, gum (see Gum, ammoniac).
Sal. gray, dom., bbls., c.l., 100 lbs. 5.50 - 5.75
l.c.l. .....100 lbs. 6.00 - .0670
white, gran., dom., bbls., contracts, works.100 lbs. 5.06 - 5.06
import, csks .....100 lbs. 5.09 - 5.05
Amyl acetate, ex fusel oil, dms., c.l., works..lc. .11½- —
l.c.l., frt., alld.....lb. .12 - —
tanks, works .....lb. .10½- —



PENTASOL *and* PENT-ACETATE

are real "hot weather" lacquer solvents. During the sultry, steaming days of summer—when other lacquer solvents evaporate too fast, resulting in BLUSH—**PENTASOL** and **PENT-ACETATE** are welcome safety factors. Their uniform solvent power during the slow evaporation results in all moisture being carried from the drying film and all non-solvents being driven off before these pure amyl solvents leave. The final film is unusually smooth, brilliant and enduring.

Be prepared for summer lacquer ills—formulate with **PENTASOL** and **PENT-ACETATE**. They're ALL AMYL!

SHARPLES TRADE MARK SOLVENTS

The SHARPLES SOLVENTS CORP.

2300 Westmoreland St., Phila., Pa.

80 E. Jackson Blvd., Chicago, Ill. • 551 Fifth Ave., N.Y.C.

Amyl acetate, ex pentane, dms., frt., alld..lb. .125 - —
l.c.l., frt., alld.....lb. .130 - —
tanks, frt., alld.....lb. .115 - —
secondary, dms., c.l., frt. pd., E. of Rocky Mts..lb. .09½- —
l.c.l., same terms.....lb. .10 - —
tanks, same terms.....lb. .08½- —
Alcohol (see Alcohol, amyl).
Butyrate, dms., 50 gal., returnable..lb. .75 - —
Caproate, cns.....lb. 2.75 - —
Chloride, normal, dms., works, lb. .56 - —
small lots, works.....lb. .68 - —
mixed, tech., dms., c.l., works..lb. .07 - —
l.c.l., works .....lb. .077 - —
tanks, works.....lb. .06 - —
Nitrite, bots.....lb. 1.80 - 1.85
Mercaptan, dms., l.c.l., works.lb. 1.10
Oleate, dms., l.c.l., works...lb. .25
Salicylate, bots, 5 lbs.....lb. .61 - —
cns., 25 lbs.....lb. .51 - —
Stearate, dms., l.c.l. works..lb. .26 -
Amylene, dms., c.l., works....lb. .102 - —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Anethol, bots .....lb. 1.15 - 1.20
Angelica root, dom., bls.....lb. .23 - .2
import, natural, bls.....lb. .28 - .30
twisted, bls.....lb. .30 - .40
Angostura bark, bls.....lb. .35 - .36
Anilin oil, dms .....lb. .15 - .16
tanks .....lb. .14½ - —
Salt, dms., works .....lb. .22 - .24
Anise, Spanish, bgs.....lb. .12 - .12½
Star, bgs.....lb. .12 - .12½
Anisic aldehyde, bots.....lb. 3.00 - 3.10
Annatto paste, bxs.....lb. .34 - .37
Seed, bgs.....lb. .07½- .08½
Anthraquinone, 99.5%, subl., bbls. lb. .65 - —
Antimony, butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal, dom.....lb. .14½- —
Chinese, duty paid.....lb. .14½- —
Needle, powd., bbls.....lb. .17½- .19½
Oxide, dom., bbls., c.l.....lb. .16½ Nom.
l.c.l. .....lb. .16¾ Nom.
import, bbls. .....lb. .16¾ Nom.
Salts, 65%, kgs.....lb. .23¾- .24
White, pigment, bgs., c.l., Texas works, frt. alld. to ½c. lb. lb. .11½- .14¼
Antipyrene, bbls., kgs., ton lots, lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.15
Apomorphine, bots.....oz. 23.20 -23.70
Archil extract, conc., bbls....lb. .21 - .27
double, bbls.....lb. .18 - .20
triple, bbls.....lb. .18 - .20
Areca nuts, powd., bbls.....lb. .10 - .12
Arecoline hydrobromide, bots., oz. 5.50 - 6.50
Argols, pure, 100%, csks..... 100 kilos.31.00 - —
Arnica flowers, bls. .....lb. .28 - .30
Root, bls.....lb. .38 - .40
Arrowroot, St. Vincent, powd., bgs..lb. .08¾- .08¾
bbls. .....lb. .08½- .09
Arsenic iodide (arsenous), 5 lb. bots..lb. 5.15 - —
jars .....lb. 5.00 - —
Metal, lump, cs.....lb. .42 - .43
Red, import, cs.....lb. .15¾- .16¼
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .03 - —
l.c.l. .....lb. .03¾- —
Arsenous chloride, cns.....lb. 4.85 - —
Asafetida, cs.....lb. .18 - .19
powd., bbls., bxs.....lb. .32 - .35
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5M, bgs., c.l. (20 tons), Canad. inmes..ton.37.50 - —
5R, bgs., c.l. (20 tons), Canad. mines—ton.35.00 - —
6D, bgs., c.l. (30 tons), Canad. mines..ton.27.00 - —
7D, bgs., c.l. (30 tons), Canad. mines..ton.23.00 - —
7F, bgs., c.l. (30 tons), Canad. mines..ton.21.00 - —
7H, bgs., c.l. (30 tons), Canad. mines..ton.17.00 - —
7K, bgs., c.l. (30 tons), Canad. mines—ton.14.50 - —
7M, bgs., c.l. (30 tons), Canad. mines..ton.12.00 - —
Asphaltum, Barbados, A, bgs., 20 tons, f.o.b. N. Y.....lb. .02¼- —
smaller lots, f.o.b. N. Y.lb. .03½- —
AA, bgs., 20 tons, f.o.b. N.Y., lb. .08½- —
smaller lots, f.o.b. N. Y.lb. .10½- —
California, dms., c.l., f.o.b. N.Y. ton.20.00 - —
l.c.l., f.o.b. N. Y.....ton.36.50 - —
Cuban A, bgs., c.l., f.o.b. N. Y. ton.60.00 - —
l.c.l., f.o.b. N. Y.....ton.90.00 - —
B, bgs., c.l., f.o.b. N. Y..ton.35.00 - —
l.c.l., f.o.b. N. Y.....ton.55.00 - —
Egyptian, bgs., c.l.,f.o.b.N.Y.lb. .12 - —
l.c.l., f.o.b. N. Y.....lb. .15 - —
Gilsonite, brilliant black, bgs., c.l., Western shipt. points, ton.32.90 - —
seconds, bgs., c.l., Western shipt. points .....ton.25.50 - —
selects, bgs., c.l., Western shipt. points..ton.30.50 - —
l.c.l., f.o.b., N. J. or N. Y., whse..ton.49.50 - —
Jet, bgs., c.l., Western shipping points..ton.30.50 - —
Maltha, dms., c.l.,f.o.b.N.Y.ton.29.00 - —
l.c.l., f.o.b. N. Y.....ton.36.50 - —
Manjak (see Asphaltum, Barbados).
Mexican, Texas, dms., c.l., refinery..ton.19.00 - —
l.c.l., refinery.....ton.21.00 - —
tanks, refinery.....ton.16.00 - —
Petroleum cut-back, bbls., l.c.l., E. cst., refinery..gal. .13 - —
dms., c.l., E. cst., refinery, gal. .12 - —
tanks, Calif., refinery....ton.12.50 -14.00
East Coast, refinery...gal. .06 - .06½
Ill., Ind., refinery.....gal. .06½- —
N. Orleans refinery...gal. .06 - —
Wyo., refinery.....gal. .07½- —
Atropine, bots.....oz. 5.25 - 5.80
Sulphate, bots.....oz. 2.90 - 3.55
cns. .....oz. 2.85 - —

B

Balm of Gilead buds, bgs.....lb. .38 - .40
Barberry bark bgs.....lb. .10 - .11
Root bark, bls.....lb. .14 - .15
Barbital, cs. .....lb. 3.25 - 3.80
Barium carbonate, natural, 90%, grd., bgs., c.l., works ton.44.00 - —
99%, 200 mesh, bgs., c.l., works..ton.47.00 - —
precip., bgs., c.l., works..ton.52.50 - —
bbls., works.....ton.57.50 - —
l.c.l., bgs., works.....ton.57.50 - —
bbls., works.....ton.62.50 - —
sulphur-free bgs., bbls., c.l., works..ton.57.50 -62.50
Chlorate, kgs.....lb. .16½- .17½
Barium, chloride, C.P., cryst., bbls..lb. .19 - —
dms .....lb. .20
tech., dom., cryst., bgs., c.l., Zone 1, dlvd. New England States, N. J., Pa., Md., Dela., Va., West Va., Ohio, Mich., Ind., Wisc., Ill., Ky. and principal cities on west bank of Miss., north of Arkansas line..ton.72.00 - —
Zone 1, bbls., same basis, ton.74.00 - —
l.c.l., bgs., same basis, ton.85.00 - —
bbls., same basis..ton.87.00 - —
Zone 2, bgs., c.l., dlvd. Tenn., N.-S. Carolina, Ga., Ala., Miss., Fla..ton.76.00 - —
bbls., same basis..ton.78.00 - —
l.c.l., bgs., same basis, ton.89.00 - —
bbls., same basis..ton.91.00 - —
Zone 3, bgs., c.l., dlvd. Minn., Ia., Mo., Tex., Mont., Wyo., Col., N. Mex., Idaho, Utah, Ariz., ton.82.00 - —
bbls., same basis..ton.84.00 - —
l.c.l., bgs., same basis, ton.95.00 - —
bbls., same basis..ton.97.00 - —
Zone 4, bgs., c.l., dlvd. Wash., Ore., Calif., Nev..ton.78.00 - —
bbls., same basis..ton.80.00 - —
l.c.l., same basis....ton.91.00 - —
bbls., same basis..ton.93.00 - —
Dioxide, dms.....lb. .11 - .15
Fluoride, bbls. .....lb. .15 - .16
Fluosilicate, bbls. .....lb. .15 - .16
Hydrate (see Hydroxide).
Hydroxide, bbls. .....lb. .04¾- .05½
Iodide, bots. .....lb. 4.30 - 4.45
Monoxide (see Oxide).
Nitrate, cks.....lb. .07 - .08¼
Oxide, dms.....lb. .11 - .15
Peroxide (see Dioxide).
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs. .....lb. .12 - —
Barytes, dom., floated, bbls., c.l., St. Louis..ton.23.65 - —
l.c.l., ex whse., Boston, ton.36.00 - —
Chicago .....ton.31.15 - —
Cleveland .....ton.33.50 - —
New York.....ton.32.00 - —
paper bgs., c.l., St. Louis. ton.22.85- —
l.c.l., ex car, Baltimore, ton.30.70 - —
Boston .....ton.31.70 - —
Philadelphia .....ton.30.50 - —
ex whse., Baltimore.ton.32.10 - —
Boston .....ton.35.20 - —
Chicago .....ton.30.35 - —
Cleveland .....ton.33.00 - —
Detroit .....ton.33.00 - —
Kansas City.....ton.30.93 - —
Los Angeles.....ton.42.00 - —
New York.....ton.31.50 - —
Philadelphia .....ton.31.90 - —
San Francisco.....ton.42.00 - —
Toronto .....ton.39.30 - —
Southern off color, bulk, mines..ton.12.00 - —
95.75%, bulk, mines.....ton.16.00 - —
ore, bulk, mines, long ton. 7.00 - —
German, grd., bbls., c.l., dock., t.a..ton.25.00 -26.00
l.c.l., ex wrhse.....ton.30.00 - —
ungrd., bulk, c.l., ex dock. ton.13.00 -14.00
Italian, grd., bbls., c.l., ex dock, t.a..ton.29.50 Nom.
l.c.l., ex wrhse.....ton.32.50 - —
Bauxite, bulk, mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves)
Bay rum, import, bbls.....gal. .71½ Nom.
Bayberry bark, bgs.....lb. .15 - .16
Belladonna leaves, bls.....lb. .14 - .15
Root, bls.....lb. .10 - .11
Bentonite, 1, 96%, 300 mesh, bgs., Wyo. works..ton.16.00 - —
2, 92%, 200 mesh, bgs., Wyo. works..ton.11.00 - —
Benzaldehyde, tech., cbys., dms., lb. .60 - .70
USP, X, dms., 50 to 100 lbs..lb. .85 - —
5 to 25 lbs.....lb. .90 - .95
Benzene (see benzol).
Benzidin base, bbls.....lb. .70 - —
Benzol, 90%, nitration, pure, dms., works..gal. .21 - —
tankcars, frt. alld. E. of Omaha..gal. .16 - —
Benzol tankcar prices, West, f.o.b. sellers' works.
Benzoyl chloride, dms.....lb. .40 - .47
Benzyl acetate, f.f.c., bots....lb. .55 - 1.00
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., tins.lb. .90 - 1.20
Chloride, 95-97%, refd., dms.lb. .30 - .40
tech., dms.....lb. .25 - .26
Formate, cns.....lb. 2.75 - 3.50
Benzylidineacetone, bots.....lb. 2.35 - 3.50
Berberine bisulphate, cns.....lb.13.00 -13.25
Hydrochloride, cns.....lb.13.00 -13.25
Sulphate, cns.....lb.14.75 -15.00
Berberis root, bls.....lb. .13 - .15
Betanaphthol, sublm., bbls....lb. .55 - —
kgs. .....lb. .60 - —
tech., bbls., c.l., works....lb. .23 - —
l.c.l., bbls., works.....lb. .24 - —
Benzoate, fib. dms.....lb. 2.10 - —
kgs. .....lb. 2.00 - —
Betanaphylamine, tech., kgs..lb. .51 - —
Beth root, bls.....lb. .14 - .15
Bismuth chloride, 5-lb. bots...lb. 3.20 - 3.35
Citrate, USP, VIII, 5-lb. bots., lb. 2.76 - —
jars .....lb. 2.65 - —
Hydroxide, 5-lb. bots.....lb. 3.27 - —
cns. .....lb. 3.15 - —
Metal ton lots.....lb. 1.00 - —
Nitrate, cryst., 5-lb., bots...lb. 1.34 - —
cns. .....lb. 1.20 - —
Oxychloride, 5-lb. bots.....lb. 3.04 - —
cns., kgs.....lb. 2.95 - —
Subbenzoate, 5-lb. bots.....lb. 3.36 - —
cns .....lb. 3.26 -
Subcarbonate, bots., cns.....lb. 1.32 - 1.58
fib. dms.....lb. 1.23 - 1.26
X-ray, 5-lb. bots.....lb. 2.52 - —
fib. dms.....lb. 2.46 - —
Subgallate, bots., cns.....lb. 1.42 - 1.68
fib. dms.....lb. 1.33 - 1.36
Subiodide, cns.....lb. 3.91 - —
fib. dms.....lb. 3.88 - —
Subnitrate, powd., bots., cns., lb. 1.22 - 1.48
fib., dms.....lb. 1.13 - 1.16
Subsalicylate 62-66%, bxs..lb. 2.44 - —
bbls., fib. dms.....lb. 2.35 - —
Sulphocarbolate, 5-lb. bots...lb. 3.61 - —
fib. dms.....lb. 3.50 - —
Trioxide, powd., 5-lb. bots...lb. 3.56 - —
cns. .....lb. 3.45 - —
Bismuth-ammonia citrate, USP, powd., 5-lb. bots..lb. 3.40 - —
cns. .....lb. 3.30 - —
Bismuth-betanaphthol, 5-lb. bots., lb. 3.14 - —
fib. dms.....lb. 3.06 - —
Black, acetylene, c.l., dlvd....lb. .15 - —
Bone, 1A, bbls., bgs., c.l., frt. alld. E..lb. .16 - —
l.c.l., frt. alld. E.....lb. .16½- —
1, bbls., bgs., c.l., frt. alld. E..lb. .12½- —
l.c.l., frt. alld. E.....lb. .13 - —
2, bbls., bgs., c.l., frt. alld. E..lb. .10½- —
l.c.l., frt. alld. E.....lb. .11 - —
3, bbls., bgs., c.l., frt. alld. E..lb. .09½- —
l.c.l., frt. alld. E.....lb. .10 - —
4, bbls., bgs., c.l., frt. alld. E..lb. .08½- —
l.c.l., frt. alld. E.....lb. .09 - —
5, bbls., bgs., c.l., frt. alld. E..lb. .07½- —
l.c.l., frt. alld. E.....lb. .08 - —
6, bbls, bgs., c.l., frt. alld. E. lb. .06½- —
l.c.l., frt alld E ...lb. .07 - —
7, bbls., bgs., c.l., frt. alld. E..lb. .09 - —
l.c.l., frt. alld. E.....lb. .09½- —
Bone black prices on Pacific Coast are 1c. per lb. higher, ex dock or ex whse.
Carbon, special, 1, bgs., c.l., works..lb. .05 - —
l.c.l., dlvd.....lb. .07½- —
ctns., l.c.l., dlvd.....lb. .08¾- —
cs., l.c.l., dlvd.....lb. .09 - —
2, bgs., c.l., works.....lb. .08½- —
l.c.l., dlvd.....lb. .10½- —
cs., l.c.l., dlvd.....lb. .12 - —
3, bgs., c.l., works.....lb. .13 - —
l.c.l., dlvd.....lb. .14½- —
cs., l.c.l., dlvd.....lb. .16½- —
4, bgs., c.l., works.....lb. .27½- —
cs., c.l., works.....lb. .29 - —
l.c.l., dlvd.....lb. .32 - —
5, bgs., cs., c.l., works..lb. .40 - —
cs., l.c.l., dlvd.....lb. .44 - —
6, cs., l.c.l., dlvd.....lb. .60 - —
7, cs., l.c.l., dlvd.....lb. 1.10 - —
standard, bgs., c.l., dlvd. rail zone A (Gulf ports), for delivery in N.A. (water freights extra). lb. .0445- —
B (Ark., Col., Kan., part of Mo., N. M., Tex., except coastal ports)..lb. .0475- —
50,000 lbs., dlvd., Zone C (Pac. Cst. States)...lb. .0490- —
30,000 lbs., dlvd Zone C, Pac. Cst. States..lb. .0505- —
D (Ill., Ia., Wis.)..lb. .0490- —
E (Fla., Ga., Ind., Ky., Mich., part of N. Y. Ohio, part of Pa., Tenn., W. Va.)...lb. .0505- —
F (Me., Md., Mass., N. H., N. J., part of N. Y., N. C., part of Pa., R. I., S. C., Vt., Va.)..lb. 0535- —
G (Mexico).....lb. .0455- —
l.c.l., f.o.b. whse.....lb. .07 - —
ctns., l.c.l., dlvd. all zones, lb. .07½- —
cs. l.c.l., dlvd. all zones..lb. .08½- —
export, full, comprsd., cs., f.a.s. Gulf ports..lb. .05½Nom.
uncompressed, cs., f.a.s. Gulf ports..lb. .06 Nom
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, 1, bbls., l.c.l., works..lb. .07¾- .08½
2, bbls., l.c.l., works....lb. .07 - —
pure, bbls., works.....lb. .08¾- —
Ivory, genuine, bbls.....lb. .30 - .35
Lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
2, ctns., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .10 - —
2A, ctns., c.l., works....lb. .11 - —
l.c.l., works.....lb. .12 - —
3, ctns., c.l., works.....lb. .13 - —
l.c.l., works.....lb. .14 - —
4 ctns., c.l., works.....lb. .14 - —
l.c.l., works.....lb. .15 - —
5, ctns., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .18 - —
6, ctns., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .25 - —
7, ctns., c.l., works.....lb. .34 - —
l.c.l., works.....lb. .35 - —
Import, 1, bbls., c. l., f.o.b. N. Y..lb. .08 - —
l.c.l., f.o.b. N. Y.....lb. .09 - —
2, bbls., c.l., f.o.b. N. Y..lb. .11 - —
l.c.l., f.o.b. N. Y.....lb. .12 - —
3 bbls., c.l., f.o.b. N. Y..lb. .13 - —
l.c.l., f.o.b. N. Y.....lb. .14 - —
4, bbls., c.l., f.o.b., N. Y..lb. .14 - —
5, bbls., c.l., f.o.b. N. Y..lb. .19 - —
l.c.l., f.o.b. N. Y.....lb. .20 - —
6, bbls., c.l., f.o.b. N. Y..lb. .24 - —
l.c.l., f.o.b. N. Y.....lb. .25 - —
Black, vine, A, bbls., works or N. Y..lb. .04½- —
B, bbls., works or N. Y....lb. .05½- —
Black dyes are listed under Dyes.
Black haw root bark, bls.....lb. .21 - .22
Tree bark, bls.....lb. .12 - .13
Black Indian hemp root, bls...lb. .12 - .13
Blanc fixe, dry, by-product, bgs., c.l..ton.60.00 -65.00
l.c.l. .....ton.65.00 -70.00
high grade precip., bgs., c.l., works, frt. equal..ton.70.00 - —
l.c.l., same basis....ton.75.00 - —
pulp, 66%%, bulk, c.l., works, ton.40.00 -42.50
Bleaching powder, dms., c.l., works..100 lbs. 2.00 - 2.85
l.c.l., works.....100 lbs. 2.25 - 3.35
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y. unit-ton. 3.35 - —
high-grade, grd., 16-17% ammon, bulk, f.o.b. Chi. unit-ton. 3.10 - —
import, bgs., c.i.f. ports, Aug. shipt..unit-ton. 3.60 - —
soluble (see Albumen, blood)
Bloodroot, bls.....lb. .14 - .16
Blue, alkali, toner, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis. lb. .90 - —
Alkali blue toner prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.). Miss., N. C., S. C., Tenn., Tex., (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Bronze, bbls, same basis, alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Celestial, bbls.....lb. .10 - .12
Chinese, bbls., same basis alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Cobalt, genuine, 1-kilo pkg..lb. 4.90 - —
Imitation (see Blue, ultramarine, group 6).
Copper phthalocyanin, bbls., f.o.b. works, frt. alld..lb. 3.45 - —

Amyl Acetate—Brown

Blue, Milori, bbls., same basis alkali tone, contracts..lb. .36 - —
open order.....lb. .37 - —
Potash, bbls., same basis alkali toner, contracts..lb. .45 - —
open order.....lb. .46 - —
Prussian, bbls., same basis alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Soluble, bbls., same basis alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Ultramarine, dry, jobbing bbls., works, frt. equaled..lb. .10 - —
regular, 1, bbls., works, frt. equald..lb. .15 - —
2, bbls., same basis....lb. .17 - —
3, bbls., same basis....lb. .18 - —
4, bbls., same basis....lb. .19 - —
5, bbls., same basis....lb. .22 - —
6, cobalt, A, same basis.lb. .26 - —
B, bbls., same basis.lb. .23 - —
C, bbls., same basis.lb. .22 - —
D, bbls., same basis.lb. .21 - —
7, A, bbls., same basis..lb. .22 - —
B, bbls., same basis...lb. .21 - —
special, 1, bbls., same basis lb. .18 - —
2, bbls., same basis....lb. .19 - —
3, bbls., same basis....lb. .21 - —
4, bbls., same basis....lb. .22 - —
5, bbls., same basis....lb. .24 - —
6, bbls., same basis....lb. .26 - —
pulp, 1, bbls., same basisNlb. .26 - —
2, bbls., same basis.....lb. .24 - —
3, bbls., same basis.....lb. .22 - —
4, bbls., same basis.....lb. .19 - —
Ultramarine, blue, dlvd, ex whse, is 1c. higher; Pac. Coast ex whse., 2c. higher; 100-lb. kgs., 1c. above bbls.; 28-lb. boxes 5c. above bbls.
Victoria, ink toner, bbls., same basis alkali toner..lb. 1.85 - —
Blue dyes are listed under Dyes
Blueflag root, bls.....lb. .15 - .16
Blue mass, USP., cns., kgs...lb. 1.00 - 1.02
Blue vitriol, 99%, cryst., bbls., c.l., f.o.b. works.100 lbs. 5.15 - —
16-25 bbls., same basis. 100 lbs. 5.40 - —
6-15 bbls., same basis. 100 lbs. 5.50 - —
3-5 bbls., same basis. 100 lbs. 5.50 - —
1-2 bbls., same basis. 100 lbs. 5.75 - —
monohydrated, dms., c.l. dealers..lb. .10 - —
l.c.l., dealers.....lb. .11 - —
Bluestone (see Blue vitriol)
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago..ton.20.00 -30.00
c.i.f., Atlantic ports..ton.36.50 - —
import, bgs., c.i.f. ports..ton.35.00 - —
meal, steamed, dom., 3% ammon. 50% phos., bgs., f.o.b. Chi-Chicago..ton.25.00 - 27.00
import, 100-lb. bgs., c.i.f. ports, shipt..ton.27.00 - —
phosphate, precip, (see Calcium phosphate dibasic, precip.)
steamed, dom., 1¼% ammon. 60% phos., bgs., f.o.b. Chicago..ton.23.00 - 24.00
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports.ton.24.00 - —
Borage flowers, bls.....lb. .21 - .23
Borax, tech., 99½%, cryst., bbls., contracts, 80 tons min., dlvd..ton.58.00 - —
l.c.l., ex whse.....ton.67.00 -72.00
sks., contracts, 80 tons min., dlvd..ton.48.00 - —
l.c.l., ex whse.....ton.57.00 -62.00
gran., bbls., contracts, 80 tons min., dlvd..ton.52.00 - —
l.c.l., ex whse.....ton.61.00 -66.00
sks., contracts, 80 tons min., dlvd..ton.42.00 - —
l.c.l., ex whse.....ton.51.00 -56.00
powd., bbls., contracts, 80 tons min., dlvd..ton.57.00 - —
l.c.l., ex whse.....ton.66.00 -71.00
sks., contracts, 80 tons min., dlvd..ton.47.00 - —
l.c.l., ex whse.....ton.56.00 -61.00
USP., $15 per ton higher.
Bordeaux mixture, dms., c.l., dealers East of and inc. N. D., S. D., Neb., Kan., Okla., Texas..lb. .10 - —
consumer, dms., same basis. lb. .10½- —
l.c.l., dealers, dms., same basis..lb. .10½- —
Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots 96 lbs. and over; no trucking or freight allowances for works or warehouse pick-ups.
Borneol, bots.....lb. 1.75 - 2.00
cns .....lb. 1.50 - —
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .30 - —
single pkg., same basis.lb. .35 - —
Bromoform, USP, bots.....lb. 1.40 - 1.60
Bronze powder, aluminum (see A).
Gold, litho, cns., dms., over 10 lbs..lb. .45 - .65
moulding, cns., dms., over 10 lbs..lb. .85 - .90
printing ink, cns., dms., over 10 lbs..lb. .70 - 1.10
radiator, cns., dms., over 10 lbs..lb. .45 - .50
Broomtop, bls.....lb. .11 - .13
Brown, iron oxide, pure precip., cks., f.o.b. N.Y., or works..lb. .12¼- —
Metallic, bbls., works.....lb. .02¼- —
paper bags, c.l., works....lb. .0210- —
Sienna, burnt, American, bbls., works..lb. .03 - —
Italian, 1, bbls., f.o.b. N. Y. or Pa. points.....lb. .12¼- —
2, bbls., same basis.....lb. .11¼- —
3, bbls., same basis.....lb. .10¼- —
4, bbls., same basis.....lb. .09¾- —
5, bbls., same basis.....lb. .08¾- —
6, bbls., same basis.....lb. .08¼- —
7, bbls., same basis.....lb. .08 - —
8, bbls., same basis.....lb. .07¾- —
9, bbls. same basis.....lb. .07¼- —
10, bbls., same basis....lb. .06¾- —
11, bbls., same basis....lb. .06¼- —
12, bbls., same basis....lb. .06¼- —
13, bbls., same basis....lb. .06 - —
14, bbls., same basis....lb. .05½- —
raw, American, bbls., works, lb. .02¾- —
Italian, 1, bbls., f.o.b. N. Y. or works.....lb. .12½- —
2, bbls., same basis....lb. .10¾- —
3, bbls., same basis....lb. .11 - —
4, bbls., same basis....lb. .09½- —
5, bbls., same basis....lb. .09 - —
6, bbls., same basis....lb. .08½- —
7, bbls., same basis....lb. .07¾- —
8, bbls., same basis....lb. .07¼- —
9, bbls., same basis....lb. .06¾- —
10, bbls., same basis....lb. .06 - —
11, bbls., same basis....lb. .05 - —

Brown, Umber—Charcoal

Brown, umber, Amer., bbls., works..lb. .02¾- —
Turkey, bbls., l.c.l., f.o.b. Bethlehem, Pa., Easton, Pa., N.Y.....lb. .04 - —
St. Louis.....lb. .04¾- —
ex car Los Angeles...lb. .04½- —
ex dock Portland, San Francisco, Seattle..lb. .04⅝- —
ex whse. Boston.....lb. .04½- —
Chicago, Indianapolis, New Orleans.....lb. .04¾- —
Kansas City.....lb. .05 - —
Los Angeles, Portland, San Francisco, Seattle, lb. .04¾- —
Minneapolis .....lb. .0485- —
Pittsburgh .....lb. .04½- —
Vandyke, bbls.. l.c.l.....lb. .05½- .06
Walnut crystals, bbls.....lb. .05½- —
Brucine, 100 oz., cns.....oz. .10 - —
Sulphate, 100 oz., cns.....oz. .07 - —
Bryonia root, bls.....lb. .10 - .11
Buchu leaves, bls.....lb. .55 - .60
Buckthorn bark, true, bls.....lb. .04 - .06
Berries, bgs.....lb. .19 - .20
Burdock root, bls.....lb. .09½- .10
Burgundy pitch, dom., bbls., c.l., works..lb. .08¼- —
l.c.l., divd. E.....lb. .08¼- —
import., stands.....lb. .11¼- .12¾
Butanes, coml., 16-32°, tanks, group 3..gal. .02¼- .03¾
Butternut bark, bls.....lb. .06 - .06½
Butyl acetate, norm., dms., c.l., contract, frt. alld..lb. .10 - —
l.c.l., contract, frt. alld.lb. .10¼- —
tanks contract, frt alld.lb. .09 - —
Butyl acetate, secondary, dms., c.l., frt. pd. E. of Rocky mts..lb. .08 - —
l.c.l., same terms.....lb. .08¼- -
tanks, same terms.. .lb .07

Butyl, alcohol (see Alcohol):—
Aldehyde, dms., l.c.l. lb. .17½- —
Carbinol (see Carbinol).
Lactate, dms.....lb .23½- —
Propionate, dms., divd.....lb. .17 - —
Stearate, dms.....lb. .26 - —
Butyric, ether, bots.....gal. 6.60 - 6.95
cns., works.....lb. .65 - .70
dms., frt. alld. Met. N. Y..lb. .60 - —

C

Cadmium bromide, bots., jars.lb. 1.61 - 1.90
Iodide, bots.....lb. 3.77 - 3.82
Jars .....lb. 3.65 - —
Lithopone (see Yellow).
Metal, cs.....lb. 1.20 Nom.
Red (see Red).
Selenide (see Red).
Sulphide (see Yellow).
Caffeine, 100 lb. dms., 10,000 lbs. or more..lb. 2.05 - —
2,000 lbs., or more.....lb. 2.10 - —
1,000 lbs., or more.....lb. 2.15 - —
100 lbs.....lb. 2.25 - —
25 lb. dms. 10,000 lbs., or more. lb. 2.06 - —
2,000 lbs., or more.....lb. 2.10 - —
1,000 lbs., or more.....lb. 2.15 - —
100 lbs.....lb. 2.26 - —
25 lbs.....lb. 2.40 - —
10-lb. cns., 10,000 lbs., or more. lb. 2.10 - —
2,000 lbs., or more.....lb. 2.15 - —
1,000 lbs., or more.....lb. 2.20 - —
100 lbs.....lb. 2.30 - —
less than 100 lbs.....lb. 2.45 - 2.60
5 lb. cns., 25 lbs., or more. lb. 2.40 - -
less than 25 lbs.....lb. 2.55 - 2.70
Citrated, cns.....lb. 1.70 - 1.75
Hydrobromide, bots.....lb. 4.82 - 4.87
Calabar beans, bgs.....lb. .15 - .16
Calamus root, bleached, cs....lb. .45 - .50
peeled, bls.....lb. .10 - .12
Calcium acetate, bgs., divd.... 100 lbs. 2.25 - —
Arsenate, dms., c.l., dealers, North and West..lb. .06¾ - —
l.c.l., dealers.....lb. .07¼- —
southern cotton state, dealers, dms., c.l..lb. .06¼- —
lb. .06¾- —
l.c.l., dealers.....lb. .07 - —
Calcium arsenate prices are works or whse basis, frt. alld. to dest. in lots of 90 lbs. or over; no frt. or truck allowance for plant or whse. pick-up.
Bromide, jar.....lb. .70 - .75
Carbide, dms.....lb. .05 - .06
Carbonate (see Chalk and Whiting).
Chloride, flake, dom., 77-88% bgs., dms., c.l., divd. ton.22.00 -35.00
l.c.l., 1 ton or over, divd..100 lbs. 1.70 - 2.35
liquor, basis 40%, tanks, works..ton. 7.50 - —
solid, dom., 73-75%, bgs., dms., c.l., divd..ton.20.00 -33.00
l.c.l., 1 ton or over, divd..100 lbs. 1.60 - 2.25
Gluconate, U.S.P., gran., powd., bbls., 125 lbs..lb. .50 - —
dms. .....lb. .55 - .57
cns. .....lb. .68 - .85
Glycerophosphate, fib., dms., 1,000 lb. lots..lb. 1.00 - —
smaller lots.....lb. 1.15 - —
cns., 25 lbs.....lb. 1.40 - —
Hypophosphite, cns.....lb. .62 - .67
Iodide, bots., jars.....lb. 3.70 - 3.85
Lactate, USP., bbls., 200 lbs.lb. .25 - —
Nitrate, bgs., to fert. mfrs., ex vessel..ton.27.50 - —
Calcium, palmitate, bbls.....lb. .22 - .23
Phosphate, dibasic, precip., 38-42% P_2O_5 bgs., c.l.f. Atlantic ports, shipt. unit-ton. .75 - —
tribasic, precip., c.l., bbls., works..lb. .06½- —
l.c.l., bbls.....lb. .07½- —
Resinate, precip., bbls., 1 ton. lb. .13 - —
smaller lots.....lb. .14 - —
Stearate, precip., bbls., ctns., c.l..lb. .19 - —
l.c.l., 1 ton.....lb. .20 - —
smaller lots.....lb. .21 - —
Sulphate (see Gypsum)
Sulphide, 75%, CaS (minus 100 mesh), c.l., works ton.52.00 - —
l.c.l. works.....ton.56.00 - —
83/85 CaS, c.l., works...ton.58.00 - —
l.c.l., works.....ton.64.00 - —
luminous, dom., tins, works. 100 lbs..lb. .85 - —
smaller lots.....lb. 1.00 - —
Sulphocarbolate, bbls.,200 lbs.lb. .45 - —
kgs., 100 lbs.....lb. .50 - —
Calendula flowers, bls.....lb. .38 - .40
Calomel, bbls., fib., dms., kgs., lb. 1.59 - 1.60
Camphor, natural, powd., cs..lb. .55 - .56
slabs, cs.....lb. .55 - .56
tablets, tins.....lb. .60 - .61
synthetic, dom., imp., gran., powd., bbls., 2,000 lbs..lb. .50 - —
500 lbs.....lb. .51 - —
100 lbs.....lb. .52 - —
tablets, imp.,cs., 2,000 lbs.lb. .54 - —
500 lbs.....lb. .55 - —
100 lbs.....lb. .56 - —
Monobromate, bxs., kgs.....lb. 1.60 - 1.66
Canada balsam (see Fir balsam)
Canary seed, Argentine, bgs...lb. .0590- .0600
Morocco, bgs.....lb. .06½ Nom.
Turkish, bgs.....lb. .06¼- .06¾
Canella alba bark, bls.....lb. .37 - .38
Cannabis, herb, bls.....lb. .18 - .20
Cantharides, Chinese, cs.....lb. .65 - .70
powd., bxs.....lb. .90 - .95
Russian, cs.....lb. 1.25 - 1.30
powd., bxs.....lb. 1.60 - 1.65
Capsicum (see Pepper, red).
Caraway seed, Dutch, bgs.....lb. .07½- .07½
Carbazole, 70-80%, dms., works.lb. .60 - —
90%, dms., works..... .80 - —
95%, dms., ton lots, works..lb. .70 - —
smaller quantities, works.. lb. .85 - —
Carbazole, 98.5-99%, dms., ton lots, works..lb. .75 - —
smaller quantities, works.. lb. .85 - —
Carbinol, butyl, norm., dms., works..lb. .60 - —
small lots, works.....lb. .75 - —
secondary, dms., works.....lb. .60 - —
small lots, works.....lb. .75 - —
Diethyl, dms., works.....lb. .60 - —
small lots, works.....lb. .75 - —
Isobutyl, 128-132°, dms., c.l., works..lb. .33 - —
l.c.l., works.....lb. .34 - —
tanks, works.....lb. .32 - —
Methylpropyl, dms., works...lb. .60 - —
small lots, works.....lb. .75 - —
Dimethylethyl, dms., works.lb. .60 - —
small lots, works.....lb. .75 - —
Carbon bisulphide, 55-gal. dms., c.l., frt. all'd. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same ba .....lb. .05¾- —
5 gal. dms., c.l., basis. lb. .07 - —
l.c.l., same basis..... lb. .08 - —
tanks, same basis.....lb. .04½- —
Dioxide, cyls.....lb. .06 - .08
Tetrachloride, 55-gal. or 110-gal., dms., c.l. (20 tons), frt. alld. E. of Miss. R., N. of Ohio R..lb. .05½- —
l.c.l., same basis.....lb. .05¾- —
10-gal. dms., c.l., (20 tons), same basis..lb. .07 - —
l.c.l., same basis.....lb. .08 - —
5-gal. dms., c.l. (20 tons), same basis..lb. .07 - —
l.c.l., same basis.....lb. .08 - —
tanks, same basis.....lb. .05 - —
Fire extinguisher liquid, 2c. lb. higher.
Cardamom, bleached, cs.....lb. 1.60 - 1.90
decorticated cs.....lb. 1.45 - 1.55
green, bgs.....lb. .90 - .95
Carvol, bots.....lb. 4.00 - 4.25
Cascara sagrada bark, bulk...lb. .12 - .13
Case-hardening mixture, 45%, gran., dms., l.c.l..lb. .11⅞- —
lump, dms., l.c.l.....lb. .10⅞- —
60%, lump, dms., l.c.l.....lb. .09 - —
Casein, dom., 20-30 mesh, bgs., c.l., divd..lb. .13 - .14
5 tons, works.....lb. .14½- —
smaller lots, works.....lb. .15 - —
80-100 mesh, bgs., c.l., divd., lb. .13½- .14½
5 tons, works.....lb. .15 - —
smaller lots, works.....lb. .15½- —
import, Argent., 20-30 mesh, bgs., c.l., duty pd..lb. .18 - —
60-100 mesh, bgs., c.l., duty pd..lb. .18½- —
French, 30 mesh, bgs., c.l., duty pd..lb. .17 - .18
Cassia, Batavia, 1, bgs.....lb. .14½- .14¾
3, bls.....lb. .07¼- .07¾
short stick, bls.....lb. .12 - .12½
China, rolls, select, cs.....lb. .05½- .05⅝
broken, extra bls.....lb. .04 - .04¼
Saigon, bls.....lb. .15½- .16
Cassia buds, cs.....lb. .13 - .13½
Cassia fistula, bskts.....lb. .11 - .12
Castile soap, white, bars, cs., 40 lbs.11.75 -12.50
powd., bbls.....lb. .28 - .35
Castoreum, nat., cns.....lb.15.00 -18.00
synth., bots.....lb.19.00 - —
Castor oil (see Oil, castor).
Pomace, dom., 5½% ammon., bgs., c.l., works..ton.25.00 - —
import, bgs., c.i.f.,ports, shipment..ton. No prices.
Catnep leaves, bls.....lb. — —
Celery seed, French, bgs.....lb. .17½- .18
Indian, bgs.....lb. .15 - .15½
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate, flake, cs., works..lb. .40 - —
Acetobutyrate, 501 lbs. and over, works..lb. .52 - —
10⁴ lbs., works.....lb. .58 - —
smaller lots, works.....lb. .55 - —
Cement, white, bbls. (4 bags), 5 tons, divd. N. Y..bbl. 6.50 - —
Cerium hydrate, dms., works..lb. .60 - —
Oxalate, USP, bbls., works..lb. .28 - —
kgs., works.....lb. .30 - —
Chalk precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b., works..lb. .02¾- —
cks., 250 lbs., c.l., f.o.b., works..lb. .03¼- —
Chamomile flowers, Hungarian, genuine, cs..lb. .20 - .21
Roman, bls.....lb. .25 - .26
Charcoal, softwood, powd., bgs., c.l., divd. Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va..ton.30.40 - —

EXCELSIOR
Carbon Black

An all purpose black in the ordinary price range designed to meet present day requirements.

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COLUMBIAN CARBON CO.

Charcoal, softwood, powd., bgs., c.l., dlvd., Colo.	ton.	27.00	—
Conn., Me., Mass., N. H., R. I., Vt.	ton.	30.80	—
Ill., (except river points), Minn., Neb., Wis.	ton.	25.00	—
Indiana	ton.	26.00	—
Ill. (river points), Ia., Mo., Okla., Tex. (except El Paso)	ton.	23.00	—
Kansas, El Paso, Tex.	ton.	24.00	—
Michigan	ton.	27.80	—
Ohio, Penn.	ton.	29.80	—
Utah	ton.	34.00	—
Willow, powd., bbls.	lb.	.06	.07
Chestnut extract, clarif., 25% tan., bbls., c.l., works,	lb.	.02125-	—
l.c.l., bbls., works	lb.	.0225-	—
Chillies (see Pepper, red).			
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works	ton.	9.00	—
l.c.l., works	ton.	9.50	15.50
bulk, c.l., works	ton.	6.50	—
99.75% 200 mesh, bgs., c.l., works	ton.	8.00	—
l.c.l., works	ton.	9.00	15.00
wet-grd., silk-bolt, 99.9%, 325 mesh, bulk, c.l., works	ton.	9.00	—
paper bgs., c.l., works,	ton.	12.00	—
import, white, lump, bulk, c.l., ex dock Balto., Boston, Norfolk, Phila.	ton.	22.00	25.00
powd., csks., l.c.l., ex dock,	ton.	35.00	—
ex whse.	ton.	37.50	—
Chloral hydrate, bots., 1,000 lbs.,	lb.	.83	.92
500 lbs.	lb.	.86	.95
100 lbs.	lb.	.88	.97
25 lbs.	lb.	.90	.99
1-10 lbs.	lb.	.93	1.02
dms., 1,000 lbs.	lb.	.80	—
500 lbs.	lb.	.83	—
100 lbs.	lb.	.85	—
Chlorine, liq., cyls., c.l., dlvd., N.Y.	lb.	.05½-	—
contracts, dlvd., N.Y.	lb.	.05½-	—
l.c.l., dlvd., N.Y.	lb.	.07½-	—
tanks, single unit, works, frt. equald.	100 lbs.	2.15	—
multiple unit, 3 or over, wks., frt. equald.	100 lbs.	2.30	—
2, works, frt. equald.	100 lbs.	2.55	—
1, works, frt. equald.	100 lbs.	3.00	—
Chloroacetophenone, tins, works	lb.	3.00	3.50
Chloroform, tech., 650-lbs. drums,	lb.	.20	—
100-lbs. dms.	lb.	.22	—
50-lb. dms.	lb.	.25	—
USP, 650-lb. dms.	lb.	.30	—
100-lb. dms.	lb.	.32	—
50-lb. dms.	lb.	.33	—
Chloropicrin, coml., 185-lb. cyls., works, frt. equald.	lb.	.80	—
5-lb. cyls., same basis	lb.	1.15	—
Chrome acetate, powd., 17.5% cr., bbls., works	lb.	.13	—
smaller pkgs., works	lb.	.17	—
solut., 8% cr, bbls.	lb.	.05	.08
Cake, bulk, c.l., works	ton.	11.00	12.00
Green (see Green, chrome oxide)			
Oxide (see Green, chrome)			
Sulphate, pearls, dms., 100 lbs.,	lb.	.40	—
powd., dms., 100 lbs.	lb.	.45	—
scales, dms., 100 lbs.	lb.	.45	—
Trioxide (see Acid, chromic)			
Yellow (see Yellow, chrome)			
Chrysarobin, cns.	lb.	3.25	3.50
Cinchona bark, chips, bgs.	lb.	.20	.22
high test, bgs.	lb.	.45	.50
quills, broken, bgs.	lb.	.20	.22
long, cs.	lb.	.55	.60
short, bgs.	lb.	.50	.55
Ecuador, tubes	lb.	.18	.20
Cinchonidine, crys., small cns., 100 ozs.	oz.	.83	—
large, cns.	100 ozs.	.87	—
powd., cns.	100 ozs.	.80	—
sulphate, N.F., cns.	100 ozs.	.47	—
Cinchonine, crys., small, cns., 100 ozs.	oz.	.54	—
large, cns.	100 ozs.	.58	—
powd., cns.	100 ozs.	.50	—
Sulphate, N.F., cns.	100 ozs.	.34	—
Cinchophen, USP, boxes, 5 lbs.,	lb.	3.75	—
bots., 1 lb.	lb.	3.27	—
dms., 100 lbs.	lb.	3.00	—
Cinnamic alcohol (see Alcohol cinnamic).			
aldehyde, f.f.c. bots.	lb.	1.55	2.00
Cinnamon, Ceylon, 2 bls.	lb.	.17	.17½
3 bls.	lb.	.16½-	.17
Citral, bots., cns.	**lb.**	**1.70**	**3.15**
Citrine ointment, jars, tubes.	**lb.**	**.75**	**—**
Citronellal, bots., dms.	**lb.**	**1.00**	**1.50**
Citronellol, bots., dms.	**lb.**	**1.75**	**1.80**
Clove, Madagascar, bls.	lb.	.16¼-	.16½
Zanzibar, bls.	lb.	.17½-	.18
Clover tops, bls.	**lb.**	**.12**	**.13**
Coaltar, coal-gas, crude, bbls., c.l., works	bbl.	7.50	7.75
l.c.l., works	bbl.	8.25	8.50
tanks, works	gal.	.07½-	.09
refd., bbls., c.l., works	bbl.	8.00	8.25
l.c.l., works	bbl.	8.75	9.00
tanks, works	gal.	.08½-	.10
water-gas, crude, dms., c.l., works	dm.	7.50	—
l.c.l., works	dm.	8.00	—
refd., dms., c.l., works	dm.	8.25	—
l.c.l., works	dm.	8.75	—
Cobalt acetate, bbls., kgs., dlvd.	lb.	.66	.68
Carbonate, tech., bbls., dlvd.	lb.	1.63	—
Chloride, dms., works	lb.	1.03	1.18
Hydrate, bbls.	lb.	1.78	—
Linoleate, paste, 6%, dms.	lb.	.31	—
solid, 8½%, bbls.	lb.	.33	—
Oleate, bbls.	lb.	.26	Nom.
Oxide, black, kgs.	**lb.**	**1.07**	**—**
Resinate, fused, A, bbls.	lb.	.13½-	—
1%, bbls.	lb.	.13	—
2%, bbls.	lb.	.14	—
3½%, bbls.	lb.	.17½-	—
precip., dms., dlvd.	lb.	.34	—
Sulphate, dms.	lb.	.59	—
Cocaine hydrochloride, 100 ozs., cns.	oz.	9.75	—
Cochineal, gray, bgs.	lb.	.32	.36
Teneriffe, silver, bgs.	lb.	.33	.37
Cocillana bark, bgs.	lb.	.19	.20
Cocoa butter, lumps, bgs., c.l.	lb.	.18½-	.19
Codeine, cns., 100 ozs.	oz.	11.70	—
Hydrochloride, cns., 100 ozs.	oz.	10.50	—
Phosphate, cns., 100 ozs.	oz.	9.00	—
Sulphate, cns., 100 ozs.	oz.	9.50	—
Codliver oil (see Oil, codliver).			
Cohosh, black, root, bls.	lb.	.07½-	.08
Blue, root, bls.	lb.	.06½-	.07
Colchicine, bots., 4 ozs.	oz.	25.00	—
single ozs.	oz.	26.00	—
Colchicum seed, bgs.	lb.	.23	.25
Collodion, USP, dms., 325 lbs.	lb.	.12½-	—
cns., 25 lbs.	lb.	.16	—
Flexible, USP, dms., 325 lbs.	lb.	.14½-	—
cns., 25 lbs.	lb.	.18	—
Colocynth pulp, bls.	lb.	.40	.45
Colombo root, bls.	lb.	.75	Nom.
Coltsfoot leaves, bgs.	lb.	.07	.08
Condurango bark, bgs.	lb.	.08	.09
Conium leaves, bls.	lb.	.18	.19
Copaiba, balsam, Para, cns.	lb.	.30	.31
S.A., USP, cns.	lb.	.32	.33
Copper acetate, normal, bbls., c.l., works	**lb.**	**.23**	**—**
l.c.l., bbls.	lb.	.25	—
Carbonate, 52-54%, bbls.	lb.	.18	—
18-20%, bbls.	lb.	.10½-	.12½
Chloride, bbls.	lb.	.15	.17
Cyanide, tech., bbls.	lb.	.37	.39
Iodide, bots.	lb.	4.97	5.02
Metal, electrolytic	lb.	.14	—
Nitrate, cryst., bbls.	lb.	.15	—
Oleate, precip., bbls.	**lb.**	**.20**	**—**
Oxide, black, bbls., tons, works.	lb.	No prices	
smaller lots, works	lb.	No prices	
red, com'l, 50-75%, kgs., c.l., f.o.b. N.Y.	lb.	No prices	
l.c.l., f.o.b. N. Y.	lb.	No prices	
Resinate, precip., bbls.	**lb.**	**.15**	**.16**
Stearate, precip., bbls.	**lb.**	**.23**	**.24**
Sulphate (see Blue vitriol)			
Copperas, cryst., gran., bgs., c.l., works	ton.	14.00	15.00
bbls., c.l., works	ton.	16.00	17.00
l.c.l., 25 or over, works	100 lbs.	1.35	—
5-24, works	100 lbs.	1.50	—
1-4, works	100 lbs.	2.00	—
bulk, c.l., works	ton.	12.00	13.00
Copra, bgs., Pacific Coast	lb.	.03	Nom.
Coriander seed, Morocco, bgs.	lb.	.05¾-	.06¼
bleached, bgs.	lb.	.08	.08½
Corn sugar, tanners, bbls., c.l., dlvd.	**100 lbs.**	**4.34**	**—**
ex whse.	100 lbs.	4.44	—
Syrup, 42°, bbls., c.l.	100 lbs.	4.36	—
43°, bbls., c.l.	100 lbs.	4.41	—
Cornsilk, bls.	lb.	.07½-	.08
Corrosive sublimate, cryst., dms.,	lb.	1.37	1.38
gran., powd., dms.	lb.	1.22	1.23
Cottonroot bark, bls.	lb.	.11	.11¼
Cottonseed hull ash, 25-30% pot-ash bulk, dlvd.	unit-ton.	1.05	—
Coumarin, 5 lbs., or more, 25-lb. cns.	lb.	3.00	—
5-lb. cns.	lb.	3.10	—
1-lb. cns.	lb.	3.25	—
1-oz. cns.	lb.	3.60	—
less than 5 lbs., cns.	lb.	4.15	4.65
Cramp bark, genuine, bls.	lb.	.19	.22
so-called, bls.	lb.	.07	.08
Cranesbill root, bls.	**lb.**	**.18**	**.20**
Cream tartar, gran. or powd., bbls., 5,000 lbs., one shipm't,	lb.	.18¾-	—
smaller lots, bbls.	lb.	.19¼-	—
kgs.	lb.	.19¾-	—
Creosote, wood, beech, bots.	lb.	.70	.75
hard, USP, bots.	lb.	.45	.47
Pine, dms.	gal.	.28	—
Carbonate, bots., cbys.	lb.	1.40	1.75
Oil, crude, tanks, works	gal.	.13½-	.14
Coaltar solution, tanks, works	gal.	.118	.128
refd., bbls., c.l., works	gal.	.22½-	—
l.c.l., works	gal.	.25	—
tanks, works	gal.	.18	.18½
Cresol, USP, dms., c.l., works.	lb.	.12	—
l.c.l., same basis	lb.	.12½-	—
Crotonaldehyde, tech., dms., c.l., works.	lb.	.26	—
l.c.l., works	lb.	.30	—
Cube root, powd., 5% rotenone, bbls., 30,000 lbs., frt. equaled., with Newark, Balto., and West Coast,	lb.	.27	—
10,000 lbs. and over, same basis.	lb.	.28	—
2,000 lbs. and over, same basis.	lb.	.29	—
1,000 lbs. and over, same basis.	lb.	.31	—
200 lbs. and over, same basis.	lb.	.33	—

Charcoal—Derris Root

Cube root, powd., 4% rotenone prices, 5c. per lb less.
coarse grd., 4% & 5% rotenone, prices 1c. less than powd.
3% rotenone, 6c. less than powd.

Cubeb berries, XX, bgs.	lb.	.30	.31
powd., cs.	lb.	.34	.35
Culver's root, bls.	lb.	.17	.19
Cumin seed, Algerian, bgs.	lb.	.10¼-	.10¾
Indian, bgs.	lb.	.10	Nom.
Morocco, bgs.	lb.	.10½-	.11
Cutch, Philippine, bls., c.l.	**lb.**	**.04**	**—**
Cyanamide, 21-22% N., pulv., bgs., dlvd., contrs., NH_3 unit.		1.15	—
Cyanide-chloride mixture, 75%, gran., dms.	**lb.**	**.16**	**.17**
lump, dms.	**lb.**	**.14**	**.15**

D

Damiana leaves, bls.	**lb.**	**.17**	**.18**
Dandelion root, German, bls.	**lb.**	**.20**	**.21**
Deertongue leaves, July del'vy., bls.	lb.	.15	.16
Degras, common, dom., bbls.	**lb.**	**.08¼**	**Nom.**
English, bbls.	**lb.**	**.08¼**	**Nom.**
neutral, dom., bbls.	**lb.**	**.12¾**	**Nom.**
English, bbls.	**lb.**	**.12¾**	**Nom.**
Derris root, powd., 5% rotenone, bbls., 30,000 lbs., 1 shipment, f. o. b. N. Y. C., or Balto., frt. prepaid to West Coast ports.	**lb.**	**.39**	**—**

"The Spirit of the Nation"

Did Pocahontas Rescue Captain JOHN SMITH?

NEARLY every American school child knows the story of Captain John Smith—how he was captured by Indians in Virginia, in 1607, and rescued by Pocahontas just as he was about to have his head amputated. According to the story, as often told in the textbooks, Smith was doomed to death by the great Indian chief, Powhatan. The captive was fastened in a reclining position with his head on two stones and the executioners had their axes raised ready to sever the head as neatly as possible. But just then, if one accepts Smith's own report, "Pocahontas, the king's (Powhatan's) dearest daughter, when no entreaty could prevaile, got his head in her arms and laid her owne upon his to save him from death."

Now, the great flaw in this tale is that Smith did not think to mention it in his original chronicle of his American adventures. After his return to London he wrote and published, in 1608, "A True Relation," in which he gave an entirely different account of his capture and release by the Indians. He said nothing about the Pocahontas episode. Neither was there any reference to Pocahontas in records of Smith's voyages written by his contemporaries who surely would have known the story. Not until 1624 when Smith wrote another book, "General Historie of Virginia," did the Pocahontas story appear. Presumably he had not invented the tale prior to that time. In a biography of Captain Smith, Thomas Fuller, a friend and contemporary, wrote: "It soundeth much to the diminution of his deeds that he alone is the herald to publish and proclaim them." Pocahontas, however, was a real person. She married John Rolfe, an Englishman, and accompanied him to London.

Captain Smith was doubtless a decent enough chap. He simply liked to tell a good story and was inclined to exaggerate. He may have lacked the spirit of the nation.

♦♦♦♦ Science and industry today look to the name of Rossville—"the Spirit of the Nation"—for the finest alcohols the world has ever produced. Write for complete details about the type of Rossville Alcohol best suited for your particular purpose.

COMMERCIAL SOLVENTS CORPORATION
TERRE HAUTE, INDIANA
DISTILLERS OF
FINE ROSSVILLE ALCOHOLS • "THE SPIRIT OF THE NATION"
BRANCH OFFICES AND WAREHOUSES IN ALL PRINCIPAL CITIES

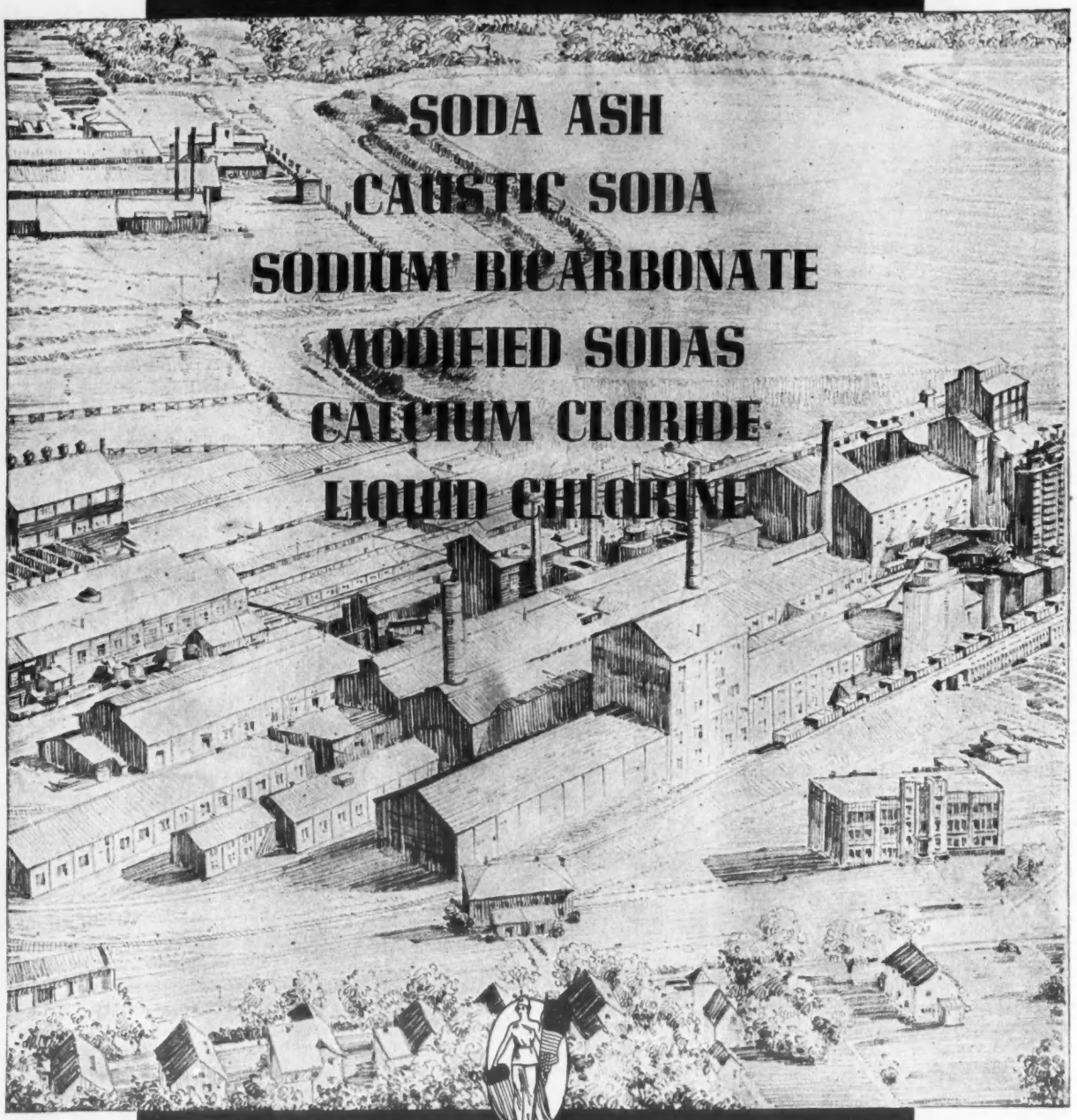
Derris Root—Dyes

Derris root, 5% rotenone, bbls., 50,000 lbs., contract or orders, basis..lb. .39½ - —
10,000 lbs., same basis.lb. .40 - —
2,000 lbs., same basis.lb. .41 - —
1 bbl., same basis....lb. .44 - —
less than 100 lbs., same basis..lb. .47 - —
Import contracts, 50,000 lbs..lb. .21½ - —
10,000 lbs. .....lb. .22 - —
4% rotenone prices 6c. per lb. less.
Dextrin, British gum, c.l., f.o.b. Chicago..100 lbs. 5.15 - —
l.c.l., f.o.b. Chicago..100 lbs. 5.25 - —
Corn, canary, bgs., c.l., f.o.b. Chicago..100 lbs. 4.80 - —
l.c.l., f.o.b. Chicago..100 lbs. 5.00 - —
white, bgs., c.l., f.o.b. Chicago..100 lbs. 4.85 - —
l.c.l., f.o.b. Chicago..100 lbs. 5.05 - —
Potato, import., bgs.....lb. .07¾ - .08¾
Tapioca, bgs., ex whse.....lb. .08 - Nom.
Diamyl ether, dms., c.l., works, lb. .085 - —
l.c.l., works .....lb. .092 - —
tanks, works .....lb. .075 - —
Oxalate, dms., l.c.l., works..lb. .30 - —
Phthalate, dms., c.l., divd..lb. .20½ - —
l.c.l., divd.....lb. .21 - —
tanks, divd.....lb. .19¼ - —
Sulphide, dms., l.c.l., works..lb. 1.10 - —
Diamylamine, dms., c.l., works, lb. .47 - —
l.c.l., works.....lb. .50 - —
Diamylene, dms., c.l., works.lb. .095 - —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .085 - —
Diatomaceous earth, dom., bgs., c.l., Pacific cst., works, ton.22.00 -85.00
l.c.l., ex whse.....ton.45.00 -150.00
import, bgs., c.l., c.i.f.....ton.30.00 - —
Dibutyl phthalate, dms.....lb. .21 - —
Tartrate, dom., dms.....lb. .35 - .40
import., dms.....lb. .80 - .85
Dicalcium phosphate (see Calcium phosphate, dibasic).
Dichloroethyl ether, dms., c.l. works..lb. .15 - —
l.c.l., works.....lb. .16 - —
tanks, works.....lb. .14 - —
Diethanolamine, dms., c.l., works..lb. .26 - —
l.c.l., works.....lb. .27 - —
tanks, works.....lb. .25 - —
Diethyl carbonate, comi., dms.lb. .31½ - —
refd., 99%, dms.....lb. .50 - —
Carbinol (see Carbinol)
Diethyl, phthalate, dms., c.l....lb. .19 - —
l.c.l. .....lb. .19½ - —
tanks .....lb. .18 - —
Diethylanilin, dms... .....lb. .50 - —
Diethyleneglycol, dms., c.l., works, lb. .21 - —
l.c.l., works.....lb. .22 - .23
Monobutylether, dms., works.lb. .26 - .27
Monoethylether, dms., c.l., works..lb. .16 - —
l.c.l., works.....lb. .17 - —
tanks, works.....lb. .15 - —
Diethyl sulphate, dms., c.l., works..lb. .13 - —
l.c.l., works.....lb. .14 - —
tanks .....lb. .12 - —
Digitalis leaves, dms.....lb. .26 - .27
Digylcol oleate, light, bbls....lb. .21 - .24
Dillseed, recleaned, bgs.....lb. .08 - .08½
Dimethyl phthalate, dms.....lb. .21 - —
Dimethylanilin, dms.....lb. .26 - .27
Dimethylethyl carbinol (see Carbinol)
Dinitrobenzene, bbls.....lb. .16 - .18
Dinitrochlorobenzene, bbls.....lb. .16½ - .17¼
Dinitronaphtiralene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .23 - .24
Dinitrotoluene, dms.....lb. .14½ - .15½
oily, dms.....lb. .09 - —
Diorthotoluolguanidin, dms, 2,000 lbs. or over, divd..lb. .44 - —
600-1,950 lbs., divd.....lb. .46 - —
150-450 lbs., divd.....lb. .47 - —
Dip oil (see Tal acid oil)
Dipentene, dms.....gal. .47 - .50
tanks .....gal. .41 - —
Diphenyl, bbls, c.l., works....lb. .15 - —
l.c.l., works.....lb. .20 - .25
Diphenyl, oxide, bots.....lb. .70 - 1.00
Diphenylamine, bbls.....lb. .31 Nom.
Diphenylguanidin, dms., 2,000 lbs. or over, divd..lb. .35 - —
600-1,950 lbs., divd.....lb. .36 - —
150-450 lbs., divd.....lb. .37 - —
Diphenylmethane, bots.....lb. 1.40 - 2.00
Disodium phosphate (see Soda phosphate, dibasic)
Divi-divi, bgs., shipment....ton.34.00 Nom.
Doggrass root, cut, bls.....lb. .12 - .13
Dogwood bark, dom., bls.....lb. .07 - .08
Jamaica, bls.....lb. .07 - .08
Dover's powder, USP, cns.....lb. 2.75 - 2.80
Dragon's blood, mass, cs.....lb. .65 - .85
reeds, thin, cs.....lb. .90 - 1.00
Duboisine sulphate, vis.....oz.34.50 -35.00
Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—
86 Chrome yellow 2G.....lb. .61 - .70
40 Chrome yellow R.....lb. .50 - 1.00
Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. 1.00 - —
170 Fast red A.....lb. .60 - .75
180 Fast red VR.....lb. 1.50 - 1.65
189 Lake red R, paste.....lb. .85 - .90
189 Lake red R, powdered.lb. 2.00 - 3.10
202 Chrome blue black U..lb. .32 - .40
204 Chrome black A.....lb. 1.75 - 2.00
206 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
289 Fast cyanin 5R.....lb. .90 - 1.00

Dyes, coaltar, for general use (numbers are those of the Colour Index scale):—
299 Chrome black F.....lb. .60 - .65
307 Fast cyanin black B...lb. .80 - .85
326 Direct cast scarlet.....lb. 2.00 - 2.25
364 Paper yellow.....lb. .83 - .90
365 Chrysophenin G.....lb. .58 - .70
394 Direct violet N.....lb. 1.25 - 1.30
382 Direct scarlet B.....lb. 1.50 - 1.75
387 Direct violet B.....lb. 1.00 - 1.30
401 Developed black BHN..lb. .50 - .75
406 Direct blue 2B.....lb. .25 - .30
416 Direct orange R.....lb. .60 - .70
419 Direct fast red F.....lb. .75 - .85
420 Direct brown M.....lb. 1.00 - 1.10
448 Benzo purpurin 4B.....lb. .40 - .42½
495 Benzo purpurin 10B....lb. .40 - .50
502 Direct azurin G .....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B....lb. 1.10 - 1.25
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast black FF..lb. .55 - 1.00
581 Direct black EW.....lb. .25 - .50
582 Direct black RX.....lb. .35 - .45
593 Direct green B.....lb. .75 - .80
594 Direct green G.....lb. 1.00 - 1.05
596 Direct brown 3GO.....lb. .25 - 1.00
629 Direct yellow R.....lb. 1.25 - 1.50
698 Acid violet.....lb. 1.00 - 3.00
812 Primulin .....lb. .50 - .52
814 Direct fast yellow.....lb. 2.00 - 2.25
845 Nigrosin(water soluble).lb. .35 - .50
1177 Indigo, 20 p.c., paste...lb. .15 - .18
Benzo fast black L.....lb. .90 - 1.00
Sulphur black .....lb. .20 - .25
Sulphur blue .....lb. .40 - 1.00
Sulphur brown .....lb. .25 - .50
Sulphur maroon .....lb. .40 - —
Sulphur olive.....lb. .25 - .54
Sulphur tan .....lb. .30 - .50
Sulphur yellow .....lb. .30 - .50
Zambesi black .....lb. .75 - .80

Dyes, coaltar, for stains (numbers are those of Colour Index scale):—
Oil-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse)
Black:—
865 Nigrosin derivatives.lb. .42 - —
Blue:—
1075 Alizarin astrol base.lb.15.00 - —
1078 Alizarin cyanin green base..lb. 6.00 - —
729 Victoria blue.....lb. .75 - —
Browns:—
Brown .....lb. 1.15 - —
Green:—
1078 Alizarin cyanin green.lb. 5.00 - —
.... Green .....lb. .75 - —
Orange:—
24 Sudan I.....lb. .70 - —
.... Orange, red shade..lb. .75 - —
Red:—
73 Sudan II.....lb. 1.05 - —
258 Sudan IV.....lb. .95 - —
749 Rhodamine B (oil pink) lb. 2.50 - —
1080 Anthroquinone violet base..lb. 6.00 - —
680 Oil violet .....lb. .50 - —
Yellow:—
15 Amidoazobenzene yellow..lb. .90 - —
17 Amidoazotoluene yellow. lb. .75 - —
61 Yellow OB.....lb. 1.40 - —
Spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
864 Nigrosin .....lb. .40 - —
Blue:—
729 Victoria blue .....lb. 2.55 - —
869 Indulin .....lb. .70 - —
Brown:—
331 Bismarck brown ....lb. 1.50 - —
Green:—
637 Malachite green base.lb. 2.00 - —
Orange:—
20 Chrysoidin G.....lb. .95 - —
21 Chrysoidin R.....lb. .95 - —
Red:—
677 Fuchsin, magenta base. lb. 7.25 - —
749 Rhodamine B.....lb. 4.75 - —
Yellow:—
67 Amidoazotoluene yellow..lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS..lb. 3.00 - —
Violet:—
680 Methyl violet.....lb. 1.00 - —
Water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
246 Naphthol blue black S, lb. .50 - —
865 Nigrosin .....lb. .36 - —
873 Methylene gray ....lb. 1.50 - —
Blue:—
714 Patent blue A .....lb. 1.45 - —
729 Victoria blue B.....lb. 2.00 - —
861 Indulin .....lb. .57 - —
909 New blue R.....lb. 1.30 - —
922 Methylene blue ....lb. 1.00 - —
1054 Alizarin saphirol B..lb. 1.90 - —
1180 Indigotin IA.....lb. .85 - —
Brown:—
234 Resorcin brown Y...lb. .65 - —
235 Resorcin dark brown R, lb. .66 - —
331 Bismarck brown G..lb. .52 - —
332 Bismarck brown R..lb. .37 - —
793 Phosphin .....lb. 4.65 - —
Green:—
5 Naphthol green B...lb. 1.00 - —
667 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
924 Methylene green B..lb. 1.55 - —
1078 Alizarin cyanin green, lb. 2.35 - —
Orange:
10 Chrysoidin G.....lb. .40 - —
21 Chrysoidin R.....lb. .37 - —
27 Orange G.....lb. .50 - —
151 Orange Y.....lb. .30 - —
161 Orange R.....lb. .34 - —
Red:—
31 Amidonaphthol red G, lb. .42 - —
57 Amidonaphthol red 6B, lb. .68 - —
79 Ponceau R .....lb. .48 - —
88 Fast red B .....lb. 1.05 - —
176 Fast red A .....lb. .54 - —
179 Azorubin .....lb. .52 - —
183 Crocein scarlet 3BX..lb. .60 - —
185 Cochineal red A....lb. .60 - —
252 Brilliant crocein M..lb. .68 - —
677 Fuchsin .....lb. 1.90 - —
749 Rhodamine B .....lb. 8.50 - —
752 Rhodamine 6G .....lb. 4.50 - —
768 Eosin G .....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —
Violet:—
680 Methyl violet B....lb. .75 - —
681 Crystal violet C....lb. 1.75 - —
695 Acid violet 4BN....lb. .88 - —
Yellow:—
10 Naphthol yellow S..lb. .88 - —
138 Metanil yellow .....lb. .53 - —
636 Fast light yellow....lb. 1.25 - —
639 Xylene light yellow..lb. 1.15 - —
640 Tartrazin .....lb. .80 - —
655 Auramine .....lb. 1.27 - —
Dyes, natural (see name of article).

COLUMBIA



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THE COLUMBIA ALKALI CORPORATION
BARBERTON • OHIO
NEW YORK BOSTON MINNEAPOLIS
CHICAGO CLEVELAND CINCINNATI
ST LOUIS PITTSBURGH

E

Echinacea root, bls.	lb.	.80	- .85
Egg albumen (see Albumen).			
Yolk, dom., cs.	lb.	.69	Nom.
import, cs.	lb.	.53	- .54
Elder flowers, bright, bls.	lb.	.19	- .20
dark, bls.	lb.	.18	- .19
Elecampane root, bls.	lb.	.11	- .13
Elm bark, grinding, bls.	lb.	.11	- .12
powd., bbls., bxs.	lb.	.18	- .19
select, bndls., July del'vy, cs.,	lb.	.25	- .26
Emetine hydrochloride, bots., cs.	oz.	15.00	-16.00
Ephedra, bls.	lb.	.06	- .07
Ephedrine, tins, 100 ozs.	ozs.	1.00	- —
Hydrochloride, tins, 100 ozs.	ozs.	1.00	- —
Sulphate, cryst., tins, 100 ozs.	ozs.	1.00	- —
powd., tins, 100 ozs.	ozs.	1.05	- —
Epsom salt, tech., bgs.	100 lbs.	1.80	- —
bbls.	100 lbs.	1.90	- —
USP, cryst., dom., bgs., c.l.,	100 lbs.	2.00	- —
l.c.l., 5,000 lbs., 1 withdrawal	lb.	2.25	- —
smaller lots	lb.	2.50	- —
bbls., c.l.	lb.	2.10	- —
l.c.l., 5,000 lbs. 1 withdrawal	lb.	2.35	- —
smaller lots	lb.	2.60	- —
kgs., c.l.	lb.	2.35	- —
l.c.l., 5,000 lbs., 1 withdrawal	lb.	2.60	- —
smaller lots	lb.	2.85	- —
dried, dom., bgs., l.c.l.	lb.	.08	- .10
Ergot, USP, cs., dms.	lb.	1.80	- 1.85
Eserine, bots.	oz.	42.00	- —
Salicylate, bots.	oz.	29.00	-30.00
Sulphate, bots.	oz.	30.00	- —
Ether, acetic, dms., 400 lbs.	lb.	.09	- —
cns., 35 lbs.	lb.	.14	- —
Ethyl (see Ether, sulphuric).			
Nitrous, conc., bots., 100 lbs.,	lb.	.68	- —
Sulphuric, conc., dms., 120 lbs.,	lb.	.09	- —
cns., 27 lbs.	lb.	.14	- —
synth., dms., c.l., works	lb.	.08	- —
l.c.l., works	lb.	.09	- —
USP, anesthesia, dms., 27 lbs.,	lb.	.26	- —
USP, 1880, dms.	lb.	.39	- .40
washed, dms.	lb.	.37	- .38
Ethyl acetate, dms., c.l., frt. alld.	lb.	.07½	- —
l.c.l., frt. alld.	lb.	.08	- —
tanks, frt. alld.	lb.	.06½	- —
anhyd., dms., c.l., frt. alld.	lb.	.08½	- —
l.c.l., frt. alld.	lb.	.09	- —
tanks, frt. alld.	lb.	.07½	- —
Acetoacetate, dms., c.l., works.	lb.	.27½	- —
l.c.l., dms., works	lb.	.28	- —
Bromide, tech., dms.	lb.	.50	- .55
Caoroate, cns.	lb.	1.00	- —
Chloride, dms.	lb.	.22	- .24
Cinnamate, cns.	lb.	3.40	- 4.25
Crotonate, dms., works	lb.	1.00	- 1.25
Formate, dms.	lb.	.27	- .28
Iodide, bots.	lb.	5.50	- 5.70
Lactate, 55-gal. dms., works	lb.	.33	- —
5-gal. dms., works	lb.	.36	- —
Oxalate, dms.	lb.	.30	- .34
Silicate, l.c.l., dms., works	lb.	.77	- —
Ethylcellulose, 501 lbs. and over, works	lb.	1.00	- —
101 lbs., works	lb.	1.05	- —
smaller lots, works	lb.	1.15	- —
Ethylene bromide, dms.	lb.	.65	- .70
Dichloride, dms, c.l., works, E. of Rockies, frt. alld.	lb.	.0545	- —
West of Rockies, same basis	lb.	.0595	- —
Ethylene dichloride, l.c.l., dms., works, E. of Rockies, frt. alld.	lb.	.0644	- —
West of Rockies, same basis	lb.	.0694	- —
Ethyleneglycol, dms., c.l.	lb.	.17	- —
l.c.l.	lb.	.18	- .21
tanks	lb.	.16	- —
Monobutylether, dms., c.l., works	lb.	.20	- —
l.c.l., works	lb.	.21	- .24
tanks, works	lb.	.19	- —
Monoethylether, dms., c.l., works.	lb.	.16	- —
l.c.l., works	lb.	.17	- —
tanks, works	lb.	.15	- —
Monoethylether acetate, dms., c.l., works.	lb.	.14	- —
l.c.l., works	lb.	.15	- —
tanks, works	lb.	.13	- —
Monomethylether, dms., c.l., works.	lb.	.18	- —
l.c.l., works	lb.	.19	- .22
tanks works	lb.	.17	- —
Ethylidinanilin, dms	lb.	.45	- .47½
Ethylmethyl ketone, dms., c.l., frt. pd. E. of Rocky Mts.,	lb.	.07	- —
l.c.l., same terms	lb.	.07½	- —
tanks, same terms	lb.	.06	- —
Ethylorthoparatoluenesulphonamide, bbls.	lb.	.55	- —
Ethylparatoluenesulphonamide, bbls.	lb.	.60	- —
Eucalyptol, cns., dms.	lb.	.60	- .70
Eucalyptus leaves, bls.	lb.	.09	- .10
Eugenol, bgs., cns.	lb.	2.10	- 2.55
Euphorbia, bls.	lb.	.06	- .06½

F

Feldspar, enamel, 100 mesh, bulk, works.	ton.	14.00	-15.00
glass, 20 mesh, bulk, works.	ton.	11.00	-12.25
pottery, bulk, Me. works	ton.	17.00	-19.00
N.C. works	ton.	17.00	-19.00
Fennel seed, French type, bgs.,	lb.	.07½	- .08
India, bags	lb.	.07¾	- .07⅞
German, large, bgs.	lb.	.18	- .19
small, bgs.	lb.	.13	- .14
Fenugreek seed, bgs.	lb.	.04¼	- .04½
Ferric sulphate, dms., works.	ton.	35.00	-40.00
Film scrap, colors, dark, cs., 1,000 lbs. or over, E. works	lb.	.12½	- .13
smaller lots, E. works.	lb.	.13½	- .14
light, cs., 1,000 lbs. or over, works.	lb.	.14	- .15
smaller lots, E. works.	lb.	.15	- .16
water white, cs., 1,000 lbs. or over, E. works.	lb.	.15	- .16
smaller lots, E. works.	lb.	.16	- .17

Film scrap prices f.o.b. Calif. works, 1c. lb. lower.

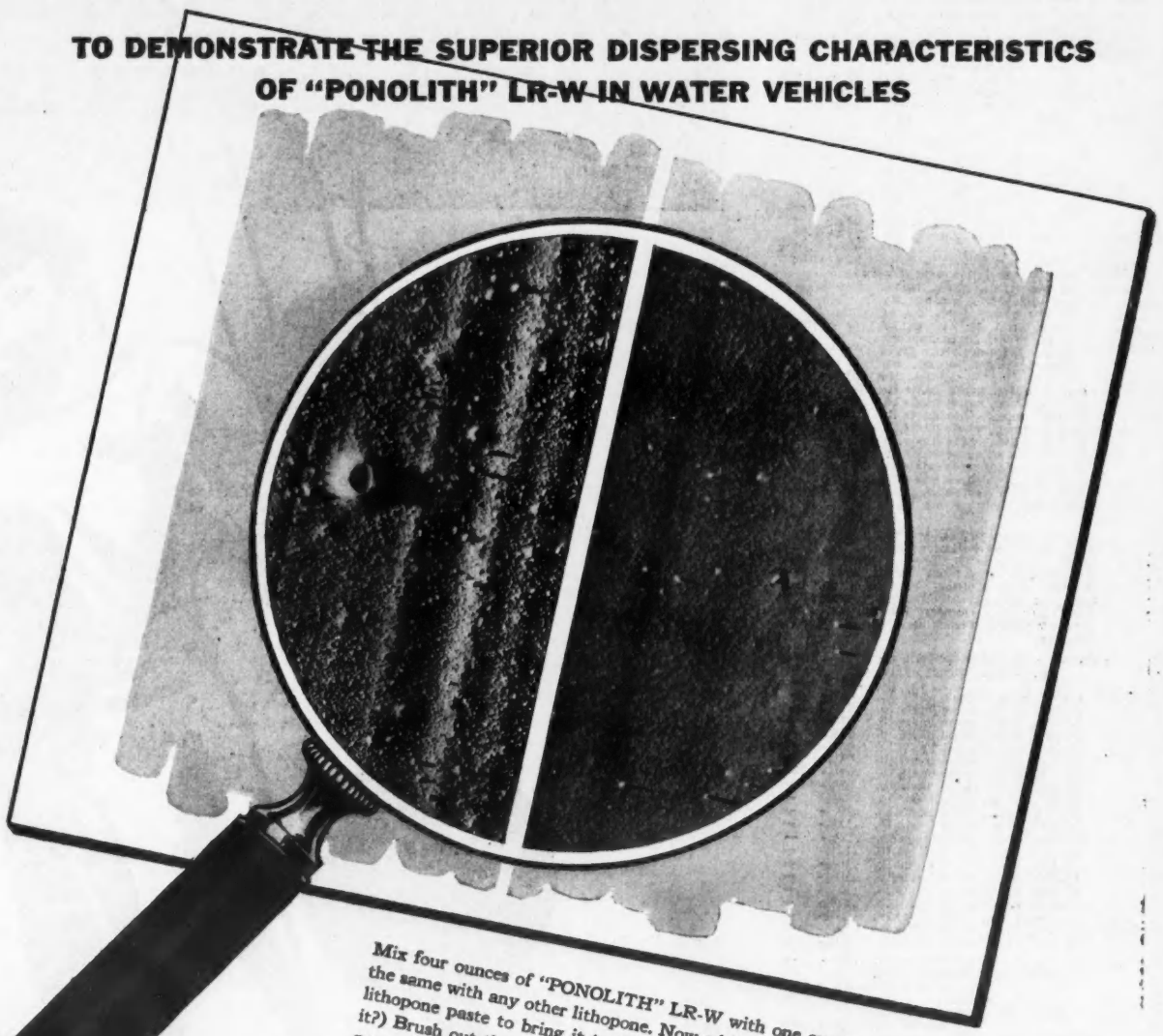
Fir balsam, Canada, cns.	gal.	8.75	-13.00
Oregon, bbls.	gal.	1.60	- 1.70
Fish berries, bgs.	lb.	.09	- .10
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures	unit-ton.	4.00 &	.10
grd., 11-12% ammon., 15% bone phos., bgs., f.o.b. Balto.	ton.	59.00	- —
Fish scrap, wet, acidulated, 6-7% ammon., 3-4% phosphor, acid, bulk, E. Cst. factories, contracts.	unit-ton.	3.00 &	.50 Nom.
sardine, meal, Japanese, 11½% ammon., bgs., c.l.f., ports,	shipt. ton.	47.00	- —
	nearby arrival. ton.	49.00	- —
Flake white, bbls., kgs.	lb.	.08¾	- .09
Fleaseed, French, black, bgs.	lb.	.10¾	- .11
Indian, blonde, bgs.	lb.	.10	- .11
Fluorspar, enamel, 96-98%, bgs.,	ton.	No prices.	
standard, gravel, washed, 85 and 5% dom., bulk, f.o.b. Ill., Ky. mines,	ton.	20.00	-21.50
import, bulk, Atlantic ports, duty-paid.	ton.	23.00	-23.50
lump, 85 and 5, dom., bulk., f.o.b. Ill., Ky., mines.	ton.	21.00	-22.50
powd., 97%, import., bgs., Atlantic ports, duty-paid.	ton.	No prices.	
Formaldehyde, bbls., c.l., works,	lb.	.05¾	- —
l.c.l., works	lb.	.06¼	- —
dms., c.l., works	lb.	.05¼	- —
l.c.l., works	lb.	.05¾	- —
tanks, works	lb.	.04½	- —
Fringetree bark, bls.	lb.	.13	- .14
Fuller's earth, dom., bgs., c.l., f.o.b. Fla., Ga., mines.	ton.	10.00	- —
import., bgs., c.l., ex dock.	ton.	23.00	- —
l.c.l., ex whse.	ton.	30.00	- —
Furfural, refd., dms., c.l., works,	lb.	.15	- —
l.c.l., works	lb.	.17½	- .25
tech., dms., contracts, 150,000 lbs., works.	lb.	.10	- —
c.l., works	lb.	.12½	- —
l.c.l., works	lb.	.15	- .20
tanks, works	lb.	.09	- —
Fustic extract, cryst., bbls.	lb.	.22	- .26
liquid, bbls.	lb.	.09½	- .13
solid, dms.	lb.	.17½	- .19¼

G

G salt, bbls.	lb.	.45	- .48
Galangal root, bls.	lb.	.08	- .09
Gall extract, bbls.	lb.	.19	- .20
Gambier, common, bgs.	lb.	No prices.	
plantation, bgs.	lb.	.08¾	- .09
Cubes, Singapore, bgs.	lb.	.10½	- —
Gambier extract, bbls.	lb.	.08½	Nom.
Gasoline, at refinery:—			
Bayonne, US motor, 62-63 octane, tanks.	gal.	.07	- —
65 octane, tanks.	gal.	.07½	- —
above 65 octane, tanks.	gal.	.08	- —
California, 54-58, tanks.	gal.	.07½	- —
Gulf Coast, US motor, bulk,	gal.	.06	- —
60-62, 390 e.p., bulk, export,	gal.	.06¼	- —
60-62, 400 e.p., bulk, export,	gal.	.06½	- —
64-66, 375 e.p., bulk, export,	gal.	.06⅝	- —
Louisiana-Arkansas, US motor, 62 octane, tanks.	gal.	.05¾	- .06
63-67 octane, tanks.	gal.	.06½	- .06⅝
68-70 octane, tanks.	gal.	.06¾	- .06⅞
Oklahoma-Texas, US motor, 62 octane and below, tanks.	gal.	.04¾	- .05⅛
63-67 octane, tanks.	gal.	.05¼	- .05⅝
68-70 octane, tanks.	gal.	.05⅞	- .06⅛
60-62, 400 e.p., tanks.	gal.	.04¾	- .05⅝
64-66, 375 e.p., tanks.	gal.	.05	- .05¼
natural, 12-lb. vapor pres., tanks.	gal.	.05¼	- .05½
14-lb. v.p., tanks.	gal.	.05	- —
18-lb. v.p., tanks.	gal.	.04½	- .04¾
22-lb. v.p., tanks.	gal.	.04¼	- —
26-70-lb., v.p., tanks.	gal.	.03¾	- .03⅞
Pennsylvania, US motor, below 60 octane, tanks.	gal.	.05¾	- —
60 octane, tanks.	gal.	.07½	- —
Gasoline, at ref'y, Pennsylvania, 52-54, 450 e.p., naphtha, tanks.	gal.	.05¾	- —
54-56, 400 e.p., strt., run, tanks.	gal.	.05¾	- —
Gelatin, silver, cs.	lb.	.50	- .55
Gelsemium root, bls.	lb.	.12	- .13
Gentian root, bls.	lb.	.15	- .16
grd., bbls., bxs.	lb.	.17	- .18
powd., bbls., bxs.	lb.	.18	- .19
Geraniol, cns., dms.	lb.	.75	- 3.00
Geranyl acetate, bots., dms.	lb.	1.75	- 2.50
Ginger root, Africa, bgs.	lb.	.13	- .15¼
Cochin, lemon, bgs.	lb.	.15	- .15½
Jamaica, bold, bgs.	lb.	.17	- .17½
grinding, bright, bgs.	lb.	.14¾	- .15
medium, bold, bgs.	lb.	.15	- .15½
Japanese, bgs.	lb.	.16	- .16¼
Ginseng fibers, cs.	lb.	1.75	- 3.00
Root, cultivated, cs.	lb.	4.00	- 5.00
wild, Southern, cs.	lb.	6.00	- 7.00
Glauber's salt, anhyd. (see Soda sulphate).			
cryst., dom., bgs., bbls., c.l., works.	100 lbs.	.95	- 1.15
5 tons or over, works.	100 lbs.	1.05	- 1.25
less than 5 tons, works.	100 lbs.	1.15	- 1.35
import., bgs.	100 lbs.	1.05	- 1.35
Glue, bone, calcimine type, 24 millipoise, 36 jelly-grams, bgs., c.l., dlvd.	lb.	.14	- —
l.c.l., dlvd.	lb.	.14½	- —
36/58, bgs., c.l., dlvd.	lb.	.14½	- —
l.c.l., dlvd.	lb.	.15	- —
58/82, bgs., c.l., dlvd.	lb.	.15½	- —
l.c.l., dlvd.	lb.	.16	- —
82/108, bgs., c.l., dlvd.	lb.	.16	- —
l.c.l., dlvd.	lb.	.16½	- —

TRY THIS SIMPLE TEST

TO DEMONSTRATE THE SUPERIOR DISPERSING CHARACTERISTICS OF "PONOLITH" LR-W IN WATER VEHICLES



Mix four ounces of "PONOLITH" LR-W with one ounce of water. Do the same with any other lithopone. Now add more water to the ordinary lithopone paste to bring it to brushing consistency. (Took a lot, didn't it?) Brush out the two pastes on glass and observe the relative smoothness of the films as an indication of completeness of wetting and pigment dispersion. Above are photomicrographs showing two such films: ordinary lithopone on the left—"PONOLITH" LR-W on the right.

THE remarkable ease of wetting and completeness of dispersion shown by "PONOLITH" LR-W in water simplifies mixing operations, facilitates the production of water paints from the dry powders and improves opacity and film fineness.

You can rely on Krebs to supply the right pigment for your products. We offer a complete line of high quality white pigments and chemical dry colors. Let our technical representatives assist in solving your problems.

KREBS
REG. U.S. PAT. OFF.
PIGMENTS

WHITE PIGMENTS AND CHEMICAL DRY COLORS

KREBS PIGMENT & COLOR CORP.
1007 Market Street, Wilmington, Delaware

Glue—Gum, Copal

Glue, hide, calcimine type, 53 millipoise, 135 jelly grams, bgs., c.l., dlvd., East, Middlewest..lb. .17½- —
l.c.l., same basis.....lb. .18 - —
60/164, bgs.,c.l.,same basis.lb. .19 - —
l.c.l., same basis.....lb. .19½- —
67/192, bgs.,c.l.,same basis.lb. .20 - —
l.c.l., same basis.....lb. .20½- —
75/222, bgs., c.l., same basis lb. .21 - —
l.c.l., same basis.....lb. .22 - —
83/251, bgs.,c.l.,same basis.lb. .22 - —
l.c.l., same basis.....lb. .23 - —
92/283, bgs.,c.l.,same basis.lb. .23 - —
l.c.l., same basis.....lb. .24 - —
102/315, bgs., c.l., same basis lb. .23½- —
l.c.l., same basis.....lb. .24½- —
113/347, bgs., c.l., same basis lb. .24½- —
l.c.l., same basis.....lb. .25½- —
125/379, bgs., c.l., same basis lb. .25½- —
l.c.l., same basis.....lb. .26½- —

Glue prices for barrel packing, ½c. lb. higher; grinding charge, 20-40 mesh, ½c. lb.; 60 mesh, 1c. lb.

Glycerin, C.P., makers, cns., l.c.l. lb. .23½- .24
dms., extra, c.l.....lb. .21½- —
l.c.l. .....lb. .22 - —
dynamite, cms., extra, c.l....lb. .21½- —
l.c.l. .....lb. .22 - —
saponification, basis 88%, dms. returnable, dlvd..lb. .15½- .16
soaplye, basis 80%, dms., returnable, dlvd..lb. .14 - .14½
yellow, distilled, dms., extra, cl. lb. .23⅝- —
l.c.l. .....lb. .23⅝- —
Glycol boriborate, dms.....lb. .26 - —
Phthalate, dms.....lb. .40 - —
Stearate, dms.....lb. .27½- —
Gold, U. S. purchase price....oz.35.00 - —
Chloride, acid brown, bots..oz.20.75 -21.00
yellow, bots.....oz.18.75 -19.00
Gold-soda chloride, photo., bots. oz.13.00 - —
USP IX, bots.....oz.14.50 -14.75
Gold of pleasure seed, bgs....lb. .14 - .16½
Golden seal root, bls.....lb. 3.15 - 3.30
powd., bxs.....lb. 3.30 - 3.45
Grains of paradise, bgs.....lb. .20 - .25
Graphite, flake (cryst.), 90% 325 mesh, 50% graphitic carbon, bgs., c.l., works..lb. .06 - —
bbls., c.l., works.....lb. .06¼- —
l.c.l., works .....lb. .06½- —
powd., 90% 325 mesh, 65% graphitic carbon, bgs., c.l., works..lb. .02½- —
bbls., c.l., works.....lb. .02¾- —
l.c.l., works.....lb. .03¼- —
80% graphitic carbon, bgs., c.l., works..lb. .03½- —
bbls., c.l., works.....lb. .03¾- —
l.c.l., works.....lb. .04½- —
Grease, house, trcs.....lb. .07⅞- .08
white, trcs. .....lb. .08¼- .09⅛
yellow, trcs. .....lb. .07⅞- .08
Wool (see Adeps lanae and Degras)
Green, chrome, C.P., dark, light, medium, blue content up to 5% bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .21 - —
6-10%, bbls., same basis.lb. .22 - —
11-15%, bbls., same basis.lb. .23 - —
16-20%, bbls., same basis.lb. .23½- —
21-25%, bbls., same basis.lb. .24 - —
26-30%, bbls., same basis.lb. .24½- —
31-35%, bbls., same basis.lb. .25½- —
36-40%, bbls., same basis.lb. .27 - —
41-45%, bbls., same basis.lb. .28¼- —
46-50%, bbls., same basis.lb. .30 - —
over 50%, bbls., same basis lb. .31 - —

Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La., (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

reduced, C.P. color content up 5%, bbls., same basis, lb. .06 - —
6-10%, bbls., same basis.lb. .06¾- —
11-13%, bbls., same basis.lb. .07¼- —
14-16%, bbls., same basis.lb. .07½- —
17-19%, bbls., same basis.lb. .07¾- —
20-21%, bbls., same basis.lb. .08 - —
22-23%, bbls., same basis.lb. .08¼- —
24-25%, bbls., same basis.lb. .08½- —
26-27%, bbls., same basis.lb. .08¾- —
28-29%, bbls., same basis.lb. .09¼- —
30-31%, bbls., same basis.lb. .10 - —
32-33%, bbls., same basis.lb. .11¼- —
34-35%, bbls., same basis.lb. .12¼- —
36-40%, bbls., same basis.lb. .14¼- —
41-45%, bbls., same basis.lb. .16¼- —
46-50%, bbls., same basis.lb. .16¾- —
51-55%, bbls., same basis.lb. .17¼- —
56-60%, bbls., same basis.lb. .17¾- —
61-65%, bbls., same basis.lb. .18¼- —
66-70%, bbls., same basis.lb. .19¼- —
71-75%, bbls., same basis.lb. .20¼- —
chrome, oxide, dom., pure..bbl. .21 - —
ceramic, light shades, bbls., c.l., works..lb. .28 - —
l.c.l. works.....lb. .30 - —
standard grade, bbls., works..lb. .19 - .20
tetrahydroxide, bbls.....lb. .85 - —
Paris (see P)
Verdigris (see V)
Green dyes are listed under Dyes.
Grindelia robusta, bls.....lb. .08½- .10
Guaiac resin, cs.....lb. .35 - .40
strained, cs.....lb. .90 - 1.00
Wood, bls.....lb. .04 - .05
Guaiacol, liq., djns.....lb. 1.55 - 1.70
Carbonate, fib., dms., 25 lbs.lb. 2.20 - —
kgs, 100 lbs.....lb. 2.15 - —
Guarana, powd., cs.....lb. .75 - .80
Gum, aloe (see A)
Ammoniac, tears., cs.....lb. .85 - .90
Gum, arabic, amber sorts, cleaned, bgs..lb. .14½- .15
white, sorts, 1, bgs.....lb. .29 - .30
2, bgs .....lb. .27 - .28
powd., bbls.....lb. .17 - .19
Asafetida (see A)
Asphaltum (see A)
Benzoin, Siam, cs.....lb. 1.40 - 1.65
Sumatra, cs.....lb. .19 - .20
Camphor (see C)
Chicle, bgs.....lb. .40 - .45
Copal, Congo 1, water white, transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Fran....lb. .46 - —

Copal, dammar, elemi, kauri, mastic, sandarac, and yacca gums prices c.l. (30,000 lbs. min.) apply to assorted lots of gums as well as one grading; l.c.l. prices are ¼c. higher for 10 bgs. or over; ½c. higher for 1-9 bgs.

2, cloudy, white, bgs., c.l., same basis..lb. .30⅝- —
Gum, copal, Congo, 3, selected pale straw bold, bgs., c.l., same basis..lb. .20 - —
4, pale bold straw, bgs., c.l., same basis..lb. .19¼- —
5, pale straw bold, bgs., c.l., same basis..lb. .16 - —
6, pale amber bold, bgs., c.l., same basis..lb. .14⅝- —
7, pale straw bold, bgs., c.l., same basis..lb. .14⅜- —
8, light amber bold, bgs., c.l., same basis..lb. .13½- —
9, medium light amber bold, bgs., c.l., same basis..lb. .10¼- —
10, rescraped hard amber bold, bgs., c.l., same basis lb. .10⅞- —
11, hard dark amber bold, bgs., c.l., same basis..lb. .08¼- —
12, selected bold sorts, bgs., c.l., same basis..lb. .07¾- —
13, dark sorts bold, bgs., c.l., same basis..lb. .06¼- —
14, selected, fully scraped ivory, bgs., c.l., same basis..lb. .19¾- —
15, ordinary ivory sorts, bgs., c.l., same basis..lb. .07¼- —
16, inferior ivory sorts, bgs., c.l., same basis..lb. .05⅝- —
17, pale fingers, bgs., c.l., same basis..lb. .19 - —
18, pale straw nubs, bgs., c.l., same basis..lb. .12⅝- —
19, pale straw nubs, bgs., c.l., same basis..lb. .11⅝- —
20, hard dark amber nubs, bgs., c.l., same basis..lb. .08¼- —
21, ordinary selected nubs, c.l., same basis..lb. .08½- —
22, small mixed nubs, bgs., c.l., same basis..lb. .06⅝- —
Gum, copal, Congo, 23, dark mixed nubs, bgs., c.l., same basis..lb. .07¼- —
24, No. 1, ivory nubs, bgs., c.l., same basis..lb. .14¾- —
25, No. 2 natural ivory nubs, bgs., c.l., same basis..lb. .06⅞- —
26, pale bold chips, bgs., c.l., same basis..lb. .06⅝- —
27, pale small chips, bgs., c.l., same basis..lb. .06½- —
28, pale dust, bgs., c.l., bgs., same basis..lb. .05¼- —
East India, Batu, bold scraped, bgs., c.l., same basis..lb. .06¼- —
unscraped, bgs., c.l., same basis..lb. .04 - —
chips, bgs., c.l., same basis lb. .03⅝- —
dust, bgs., c.l., same basis..lb. .03⅜- —
nubs and chips, bgs., c.l., same basis..lb. .03⅜- —
black, bold, scraped, bgs., c.l., same basis..lb. .06⅞- —
unscraped, bgs., c.l., same basis..lb. .04¼- —
nubs and chips, bgs., c.l., same basis..lb. .04¼- —
Hiroe, Macassar, pale, bold, bgs., c.l., same basis.lb. .13 - —
chips, bgs., c.l., same basis..lb. .06½- —
dust.,bgs., c.l., same basis, lb. .03⅝- —
nubs, bgs., c.l., same basis..lb. .11¼- —
Singapore Rasak, bold, bgs., c.l., same basis..lb. .15⅝- —
chips, bgs., c.l.,same basis, lb. .04¾- —
dust,bgs.,c.l.,same basis.lb. .03⅝- —
nubs,bgs.,c.l.,same basis.lb. .10⅝- —
Gum, copal, Manila, Boeas, amber and dark, bskts., c.l., same basis..lb. .14 - —
light, bskts., c.l., same basis..lb. .13½- —
Loba A, bskts., c.l., same basis..lb. .10½- —
B,bskts.,c.l., same basis.lb. .09¾- —
C,bskts.,c.l., same basis.lb. .09¾- —
CNE, bskts., c.l., same basis..lb. .07¾- —
D, bskts., c.l., same basis. lb. .08¾ -
DK, bskts.,c.l., same basis, lb. .07¾- —
DU, bskts., c.l.,same basis. lb. .08¾ -
dust,bskts.,c.l., same basis, lb. .06½- —
Sambas and white split chips, bskts., c.l., same basis..lb. .14¾- —
Singapore, dust, bskts., c.l., same basis..lb. .06½- —
spirit-soluble, CBB, bskts., c.l., same basis..lb. .08¾- —
DBB,bskts.,c.l.,same basis, lb. .08¾- —
MA, bskts., c.l.,same basis, lb. .07¼- —
MB, bskts.,c.l.,same basis, lb. .06¾- —
WS, bskts.,c.l.,same basis, lb. .06¼- —
Philippine Manila, amber sorts, bskts., c.l., same basis...lb. .08½- —
chips, pale, bskts., c.l., same basis..lb. .08¾- -
small, bskts., c.l., same basis..lb. .08½- —
extra pale sorts, bskts., c.l., same basis..lb. .09¼

Gum, copal, Philippine, Manila, nubs, bakts., c.l., same basis.. lb. .11½- —
pale, scraped, bakts., c.l., same basis..lb. .11¾- —
seeds and dust, bakts., c.l., same basis..lb. .07½- —
Pontianak, bold, genuine, bgs., same basis..lb. .16 - —
mixed, bgs., c.l., same basis lb. .14 - —
chips, bgs, c.l., same basis.lb. .10¼- —
nubs, bgs., c.l., same basis.lb. .12½- —
split, bgs., c.l., same basis.lb. .15¼- —
Dammar, Batavia A, cs., c.l., same basis as copal..lb. .24 - —
A/D, cs., c.l., same basis.lb. .18½- —
A/E, cs., c.l., same basis.lb. .16½- —
B, cs., c.l., same basis...lb. .22½- —
C, cs., c.l., same basis...lb. .18½- —
D, cs., c.l., same basis...lb. .16½- —
dust, cs., c.l., same basis.lb. .06¾- —
E, cs., c.l., same basis...lb. .08½- —
F, cs., c.l., same basis...lb. .06¾- —
Singapore, 1, cs, c.l., same basis..lb. .21¼- —
2, cs., c.l., same basis....lb. .16¼- —
3, cs., c.l., same basis....lb. .06¾- —
chips, cs., c.l., same basis.lb. .12 - —
dust, cs., c.l., same basis.lb. .05¾- —
seeds, cs., c.l., same basis.lb. .09½- —
Elemi, cns., c.l., same basis as copal..lb. .09¾- —
Ester, dms., 75,000 lbs., dlvd. lb. .10 - —
c.l., single shipment, dlvd. lb. .10¼- —
l.c.l., dlvd.....lb. .10½- —
Euphorbium, cs.....lb. .17 - .18
Galbanum, cs. .....lb. .95 - 1.00
Gamboge, pipe, cs. .....lb. .58 - .59
powd., bbls. .....lb. .65 - .66
Gum, ghatti, soluble, bgs.....lb. .11 - .15
superior, bgs.....lb. .09 - .11
Guaiac (see Guaiac resin).
Karaya XXX, bbls., bxs., dms. lb. .27 - .30
XX, bbls., bxs., dms.....lb. .18 - .19
1, bbls., bxs., dms.....lb. .12 - .13
2, bbls., bxs., dms.....lb. .11 - .12
Kauri, brown, XXX, cs., c.l., lb. .60 - —
BX, cs., c.l., same basis..lb. .38 - —
B1, cs., c.l., same basis..lb. .28 - —
B2, cs., c.l., same basis..lb. .26 - —
B3, cs., c.l., same basis..lb. .18½- —
80% chips, cs., c.l., same basis..lb. .14¾- —
pale, XXX, cs., c.l., same basis..lb. .61 - —
1, cs., c.l., same basis..lb. .41 - —
2, cs., c.l., same basis..lb. .24 - —
3, cs., c.l., same basis..lb. .17¾- —
Kino, tins .....lb. 1.60 - 1.70
Mastic, cs., c.l., same basis as copal..lb. .57 - .59
Myrrh, USP, cs.....lb. .45 - .50
Olibanum, siftings, cs.....lb. .07½- .13
tears, cs. .....lb. .16 - .34
Opium (see O)
Rosin (see R)
Sandarac, cks, c.l., same basis as copal..lb. .33 - .35
Scammony, cs.....lb. 1.10 - 1.15
Senegal, picked, bgs.....lb. .27 - .29
sorts, bgs.....lb. .14½- .15
Talha, bgs.....lb. .07½- .08
Thus, bbls.....280 lbs. 13.75 -14.00
Tragacanth, Aleppo, 1, cs....lb. 2.75 - 3.00
2, cs.....lb. 2.40 - 2.45
3, cs.....lb. 2.35 - 2.40
4, cs.....lb. 2.30 - 2.35
5, cs.....lb. 2.25 - 2.30
Flake, bgs.....lb. .50 - 1.00
Gum, yacca, bgs., c.l., same basis as copal..lb. .03½- —
powd., bgs., c.l., same basis.lb. .04½- —
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald.ton.21.15 - —
Medicine Lodge, Kans., frt. equald..ton.17.00 - —
New Brighton, N. Y., frt. equald..ton.27.15 - —
Southard, Okla., frt. equald..ton.17.00 - —
Sweetwater, Tex., frt. equald..ton.21.15 - —
plaster of paris, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.12.50 - —
Blue Rapids, Kans., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.15.70 - —
Southard, Okla., frt. equald..ton.12.50 - —
Sweetwater, Tex., frt. equald..ton.12.50 - —
Stucco, paper bgs., c.l., f.o.b. Acme, Texas; Blue Rapids, Kans., Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; New Brighton, N.Y.; Oakfield, N. Y.; Plasterco, Va.; Southard, Okla.; Sweetwater, Tex., frt. equald. ton. 8.00 - —
Terra alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y., Southard, Okla., frt. equald..ton.12.00 - —
Import., bgs., ex dock....ton.27.50 - —

Gum, Copal—Iron-Soda Ox.

H

Heliotropin, cryst., cns.....lb. 2.60 - 2.80
Hellebore, white, root, powd., bbls. lb. .12 - .13
Helonias root, bls.....lb. .60 - .65
Hematine crystals, bbls.....lb. .18 - .34
Hemlock extract, 25% tan., bbls. lb. .03 - .03¼
Hempseed, Manchur, bgs.....lb. .04½- .05
Henbane leaves, bls.....lb. .19 - .20
Henna leaves, bls.....lb. .07 - .09
powd., bbls., bxs.....lb. .10 - .11
Heptane, mixed, 77-115°C., dms., c.l., Group 3..gal. .13 - —
l.c.l., Group 3.....gal. .16 - —
tanks, Group 3.....gal. .08½- —
Heptane, normal, 86-100°C., dms., c.l., Group 3..gal. .13 - —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .10½- —
Hexalin, dms .....lb. .30 - —
Hexane, normal, 60-70° C., dms., c.l., Group 3..gal. .13 - —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....gal. .25 - —
Hexamethylenetetramine, tech., dms., 1,500 lbs. or more shipments, f.o.b. Perth Amboy or N. Y. C..lb. .35 - —
150 to 1,350 lbs. shipments, same basis..lb. .36 - —
Hexamethylenetetramine, USP, dms., 500 lbs. or more, shipments, same basis. lb. .46 - —
100 to 400 lbs. shipments, same basis..lb. .47 - —
Hexyl acetate, secondary, dms., c.l., frt. pd. E. of Rocky Mts..lb. .13 - —
l.c.l., same terms.....lb. .13¼- —
tanks, same terms.....lb. .12 - —
Homatropine hydrobromide, bots., 50 ozs..oz.13.00 - —
25 ozs.....oz.13.50 - —
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago...unit-ton. 3.40 - —
Hops, dom., 1936 crop, bls....lb. .46 - .51
import., 1936 crop, bls.....lb. .55 - .70
Horehound, bls.....lb. .07 - .08
Hydrangea root, bls.....lb. .08 - .09
Hydrastine, bots., 4 ozs.....oz.17.25 - —
cns., 16 ozs.....oz.17.00 - —
Hydrochloride, bots., 4 ozs...oz.17.25 - —
cns., 16 ozs.....oz.17.00 - —
Sulphate, bots., 4 ozs.....oz.19.25 - —
cns., 16 ozs.....oz.19.00 - —
Hydrastis (see Golden seal).
Hydrofuramide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns., works.....lb. .40 - —
Hydrogen, peroxide, USP, bbls. lb. .03¾- .04
100 vols., cbys., E. of Miss. R. lb. .20 - —
W. of Miss. R.....lb. .21 - —
Hydroquinone, dealers, bbls., dms..lb. .90 - .94
Hyoscine hydrobromide, bots..oz.18.00 -19.00
Hyoscyamine, bots.....oz.15.00 - —
Hydrobromide, bots.....oz.15.00 - —
Sulphate, bots.....oz.15.00 - —
Hypernic, liq., 51°, bbls.....lb. .16 - .21
solid, bxs.....lb. .18½- .20½

I

Iceland moss, bls.....lb. .13 - .14
Ichthyol, bots.....lb. 4.00 - 4.25
Indian red (see Red, Indian).
Indigo, nat., Bengal, bbls.....lb. 2.40 - —
synth., liq., bbls.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indol, CP, bots.....lb. 34.00 -36.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs.....lb. 1.15 - —
kgs. 150 lbs.....lb. .90 - —
resubl., bots., 5 lbs.....lb. 1.60 - —
jars, 50 lbs.....lb. 1.50 - —
tincture, USP, bbls., 47 gals., gal. 1.65 - —
cbys., 5 gals.....gal. 1.75 - —
mild, bbls., 47 gals.....gal. .90 - —
cbys., 5 gals.....gal. 1.00 - —
Iodoform, dms., 100 lbs.....lb. 3.75 - —
jrs., 25 lbs.....lb. 3.85 - —
Ionone, bots.....lb. 1.30 - 4.65
Ipecac root, bgs.....lb. 1.35 - 1.40
powd., bxs.....lb. 1.50 - 1.55
Irish moss, ordinary, bls.....lb. .11 - .12
powd., 80-90 mesh, bbls...lb. .24 - .32
prime, bleached, bls.....lb. .19 - .20
Iron acetate, N. F., IV, cbys., 100 lbs..lb. .15 - —
IV, djns., 50 lbs.....lb. .16 - —
Chloride, tech., cryst., bbls., kgs..lb. .05 - .09
USP, cryst., bbls., 500 lbs..lb. .07¼- —
kgs., 100 lbs.....lb. .08¼- —
solut., USP, cbys., 130 lbs., lb. .05½- —
djns., 50 lbs.....lb. .16 - —
Citrate, USP VIII, pearls, cns. lb. .72 - .75
powd., cns.....lb. .84 - .87
scales, cns.....lb. .77 - .80
Glycerophosphate, bbls., kgs., 1,000 lb. lots..lb. 2.87 - —
smaller lots.....lb. 2.97 - —
cns., 25 lbs.....lb. 3.09 - —
Hypophosphite, cns.....lb. 1.55 - 1.60
Iodide, bots.....lb. 2.85 - 3.00
syrup, djns.....lb. .37 - .39
bots. .....lb. .52 - —
Nitrate, comi., kgs.....lb. .02¾- .03
Oxalate, powd., kgs.....lb. .47 - —
cns. .....lb. .52 - —
scales, cns.....lb. .33 - .35
Oxide (see Black, Red, etc)
Phosphate, ferric, pearls, cns., 50 lbs..lb. .54 - —
25 lbs.....lb. .57 - —
scales, cns., 50 lbs.....lb. .59 - —
25 lbs.....lb. .62 - —
Ferrous, bbls., 200 lbs.....lb. .35 - —
bxs., 25 lbs.....lb. .40 - —
kgs., 100 lbs.....lb. .37 - —
Pyrophosphate, pearls, cns...lb. .59 - .62
scales, cns.....lb. .64 - .67
Reduced, 90%, cs.....lb. .60 - .65
Iron, sulphate, tech. (see Copperas) USP, cryst., bbls., 275 lbs...lb. .04½- —
dms., 100 lbs.....lb. .06½- —
Iron-ammonia citrate, brown, gran., cns..lb. .37 - .40
pearls, cns.....lb. .37 - .40
scales, cns.....lb. .47 - .50
Iron-ammonia citrate, green, gran., cns..lb. .37 - .40
pearls, cns.....lb. .37 - .40
scales, cns.....lb. .47 - .50
Oxalate, bxs.....lb. .31 - —
fib., dms. .....lb. .24½- —
kgs. .....lb. .26½- —
Iron-potash oxalate, bbls. ....lb. .42 - —
kgs. .....lb. .44 - —
jars .....lb. .48 - —
Iron-soda oxalate, bxs. .....lb. .31 - —
fib., dms. .....lb. .24½- —
kgs. .....lb. .26½- —

—All along the line

Today almost every industrial enterprise uses chemicals in one form or another. Many are gradually revolutionizing their methods through the application of specially developed materials and processes.

Recognizing the responsibility that such an important trend places upon the chemical manufacturer, Cyanamid is working behind the scenes in many fields to augment and improve the theory and practice of their application. In our laboratories men are applying advanced knowledge and technique to customers' problems. Frequently their efforts produce a material that speeds up a step in the textile industry . . . or improves the quality of a product in the soap, leather, metal, or other industries. While research is sometimes slow, it is nonetheless sure . . . and it is continually helping many manufacturers lighten the burden of their work and swing heavier production loads with less effort.

In the column on the right are listed a few Cyanamid products which are increasing efficiency in the industries where they are used. We are proud to add these contributions to a long series which, in no small measure, are bringing about better results in industrial methods.

AMERICAN CYANAMID & CHEMICAL CORPORATION

30 ROCKEFELLER PLAZA · NEW YORK, N. Y.

COPPER RESINATE—Manila rope, when kept under sea water for 10½ months, retains only about 13 per cent of its original strength. If treated correctly, however, over 70 per cent of its strength can be retained. One highly effective agent for this purpose is a 10 per cent solution of COPPER RESINATE in creosote oil.

ALWAX SIZES for surface sizing for improved finish, water resistance, made in high and low melting point waxes. These emulsions may be applied in dilute suspensions to the surface of the board, and will lay fuzz and improve the "scuff" test. They are compatible with starches and may be added to starch for tub sizing or calender sizing with interesting results.

NITROCELLULOSE for lacquers to meet the present-day high quality finishing requirements of textiles, paper, automobiles, furniture, radios and polished metal. Readily soluble and free from deleterious impurities. Available in all standard viscosities.

REZYL* 330-5 is a new alkyd resin of unusual through drying properties. It is suggested especially for low bake white enamels, as well as for air drying enamels and lacquers. It sets up rapidly and is, therefore, suitable for spray application. Its exceptional degree of through hardening is secured without modification with phenolic or natural resins, thus assuring good color retention and outdoor durability. REZYL 330-5 imparts good gloss, water resistance and toughness. Supplied for your convenience as a 50% solution in xylol.

SODIUM SULPHATE—*Crystal* (Glauber's Salt). Manufactured and warehoused at a number of strategic points. Our brand has been the standard for many industries. It is clean, dry, a neutral crystal, free from excess moisture and impurities. Packed in bags containing 200 lbs. and in barrels containing 350 lbs.

Anhydrous—A very pure product for use, among others, in the textile industry, pharmaceutical industry, for boiler water treatment, and for standardizing dyestuffs. Packed in bags containing 200 to 220 lbs. and in barrels containing 450 to 550 lbs.

Watch this column monthly for the announcement of other interesting Cyanamid developments. Technical information on these and other Cyanamid products is available on request.

*Trade Mark of Rezyl Corporation
Protected by U. S. Patents

Isob. Carbinol—Methyl Acetone

Isobutyl carbinol (see Carbinol).
Isopentane, dms., works.....lb. .48 - —
small lots, works.....lb. .58 - —
Isopropanol, see Alcohol, Isopropyl.
Isopropyl acetate, dms., c.l., frt. pd. E. of Rocky Mts..lb. .07½- —
l.c.l., same terms.....lb. .08 - —
tanks, same terms.....lb. .06½- —
Alcohol (see Alcohol).
Ether, dms., c.l., works, frt. alld. E. of Miss R..lb. .07 - —
l.c.l. .....lb. .08 - —
tanks .....lb. .06 - —

J

Jaborandi leaves, bls.....lb. .10 - .11
Jalap root, NF, bls.....lb. .17 - .19
powd., bbls., bxs.....lb. .21 - .23
Juniper berries, bgs.....lb. .05½- .06

K

Kamala, tins.....lb. .36 - .37
Kava kava root, bls.....lb. .17 - .19
Kerosene, at refinery:—
Bayonne, 41-43 w.w.,tanks,gal. .05¾- .06
Gulf ports, p.w., bulk, export, gal. .04¾@- .04¾
w.w., bulk..gal. .05 - .05¼
Louisiana - Arkansas, 41-43 w.w., bulk..gal. .04¼- .04¼
Oklahoma-Texas, 41-43 w.w., tanks..gal. .03¾- .04¼
42-44 w.w., tanks.....gal. .04½- .04¾
Pennsylvania, 45 w.w., tanks, gal. .04¾- —
46 w.w., tanks.....gal. .04¾- —
47 w.w., tanks.....gal. .05 - —
Kerosene, tankwagon:—
Atlanta .....gal. .13 - —
Boston .....gal. .07½- —
Chicago .....gal. .101 - —
Cincinnati .....gal. .135 - —
Denver .....gal. .11½- —
Louisville .....gal. .10¾- —
Minneapolis .....gal. .10½- —
New Orleans .....gal. .14 - —
New York.....gal. .07¾- —
San Francisco.....gal. .115 - —
Kerosene distillate (see Oil, furnace).
Kieserite, calc., 96-98% $MgSO_4$, bxs., c.l., ex vessel Atlantic, Gulf ports, duty pd..ton. No prices
Kola nuts, bgs.....lb. .11 - .12

L

Lady slipper root, bls.....lb. .42 - .45
Lanolin (see Adeps lanae).
Lard, city, tubs.....100 lbs.12.75 -13.00
Middlewestern, trcs.....100 lbs.12.50 -12.60
Neutral, trcs.....100 lbs.13.00 -13.25
Western, choice, trcs....100 lbs.12.60 -12.70
Compound, trcs.....100 lbs.12.75 -13.00
Larkspur seed, bgs.....lb. .28 - .30
Laurel berries, bls.....lb. .09 - .10
Leaves, Ital., bls.....lb. .04½- .05
Lavender flowers, ordinary, bls.lb. .40 - .42
select, bls.....lb. .55 - .60
Lead acetate, white, broken, bbls..lb. .13½- —
cryst., bbls. .....lb. .13½- —
gran., bbls .....lb. .14¼- —
powd., bbls. .....lb. .14¼- —
Arsenate, dms., dealers, E. of Rockies..lb. .11½- —
W. of Rockies.....lb. .11½- —
1,000 lbs. or more, dealers dms., E. of Rockies..lb. .12 - —
W. of Rockies.....lb. .11¾- —
less than 1,000 lbs., dealers, E. of Rockies..lb. .12½- —
W. of Rockies.....lb. .12¼- —
Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick-ups.
Blue, basic, sulphate, bbls., c.l., dlvd., E..lb. .07 - —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo. .....lb. .07½- —
l.c.l., dlvd., E.....lb. .07¼- —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo. .....lb. .07¾- —
Carbonate (see Lead, white)
Chloride, pure, bots., 5 lbs..lb. .62 - —
fib. dms., 25 lbs.....lb. .49 - —
Iodide, N. F., V., powd., bots., 5 lbs..lb. 2.52 - —
jars .....lb. 2.40 - —
Linoleate, pale, precip., dms., lb. .19 - —
Metal (see daily quotations in market report)
Metallic, paste, 200-lb. cont., f.o.b. works..lb. .20 - —
5 lb. cont., f.o.b. works..lb. .23 - —
Nitrate, bbls. .....lb. .11 - .11½
Oleate, bbls.....lb. .18½- .20
Peroxide, cns., works.....lb. .46 - .47
Red, dry, 95% or less, Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .0875- —
other points.....lb. .0850- —
l.c.l., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .09½- —
dlvd., Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash.lb. .09¾- —
Colo., Mont., N. Mex., Wyo.....lb. .09½- —
other points.....lb. .09 - —
smaller lots, dlvd., Ala., etc..lb. .09¾- —
Ariz., etc. .....lb. .10½- —
Colo., etc. .....lb. .10 - —
other points.....lb. .09½- —
97%, Pb_3O_4, bbls., c.l., (20 tons) dlvd., Ala., etc., lb. .09 - —
other points.....lb. .0875- —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .09½- —
Ariz., etc. .....lb. .10 - —
Colo., etc. .....lb. .09¾- —
other points.....lb. .09¼- —
Lead, red, dry, 97%, Pb_3O_4, bbls., l.c.l., smaller lots, dlvd., Ala., etc..lb. .10 - —
Ariz. .....lb. .10¼- —
Colo. .....lb. .10¼- —
other points.....lb. .09¾- —
98%, Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., etc..lb. .0925- —
other points.....lb. .09 - —
l.c.l., 5 tons, dlvd. Ala., etc..lb. .09¾- —
Ariz., etc. .....lb. .10¼- —
Colo., etc. .....lb. .10 - —
other points ....lb. .09½- —
smaller lots, dlvd. Ala., etc..lb. .10¼- —
Ariz., etc. .....lb. .10¾- —
Colo., etc. .....lb. .10½- —
other points ....lb. .10 - —
in oil, steel kegs, 1,000 lbs..lb. .11¾- —
500 lbs.....lb. .12 - —
smaller lots.....lb. .12¾- —
Resinate, fused, 16%, bbls....lb. .09½- —
pale, bbls. .....lb. .11½- —
precip., bbls. .....lb. .16½- —
Stearate, bbls. .....lb. .22 - .23
Sulphate (see lead, white, basic sulphate)
Titanate, bbls., c.l., f.o.b. works, frt. alld..lb. .12 - —
l.c.l., 5 tons, one delvy, dlvd., lb. .12¼- —
smaller lots.....lb. .12½- —
White, dry, basic carbonate, bbls., c.l., dlvd. Ariz., Cal., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo..lb. .07¾- —
other points .....lb. .07½- —
l.c.l. dlvd. Ariz., etc..lb. .08 - —
other points .....lb. .07¾- —
basic sulphate, bbls., c.l., dlvd. Ariz., etc..lb. .07¼- —
other points.....lb. .07 - —
l.c.l., dlvd. Ariz., etc..lb. .07½- —
other points.....lb. .07¼- —
in oil, 100-lb. kgs., 1,000 lbs., dlvd..lb. .11¾- —
500 lbs., dlvd.....lb. .12 - —
smaller lots, dlvd.....lb. .13 - —
Lemon peel, bls.....lb. .09 - .10
Licorice extract, mass, cs.....lb. .17 - .18
powd., bbls.....lb. .27 - .28
Root, bls.....lb. .04½- .05
powd., bbls, bxs.....lb. .07 - .08
select, bndls., cs.....lb. .20 - .21
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b. Bellefonte, Pa. ....ton. 7.00 - —
Berkley, W. Va. ....ton. 7.00 - —
California, northern..ton.11.80 - —
southern .....ton.11.45 - —
Cedar Hollow, Pa..ton. 8.00 - —
Chicago .....ton. 7.25 - —
Crab Orchard, Tenn.ton. 6.25 - —
Dallas, Texas.....ton. 8.50 - —
Durbin, Ohio .....ton. 6.50 - —
Eagle Mountain, Va..ton. 6.25 - —
Easton, La. .....ton. 7.00 - —
Farnams, Mass. ....ton. 7.50 - —
Gibsonburg, Ohio....ton. 7.00 - —
Hannibal, Mo. .....ton. 6.50 - —
Keystone, Ala. .....ton. 7.00 - —
Knoxville, Tenn. ...ton. 6.25 - —
Leroy, Minn.....ton. 8.00 - —
Limedale, Ark. .....ton. 7.00 - —
Longview, Ala. .....ton. 6.25 - —
Marble Cliff, Ohio....ton. 6.50 - —
Marblehead, Ohio....ton. 7.00 - —
Martinsburg, W. Va..ton. 7.00 - —
Menominee, Mich. ..ton. 7.50 - —
Mitchell, Ind .....ton. 6.50 - —
Newala, Ala. .....ton. 6.25 - —
Petosky, Mich. .....ton. 8.00 - —
Port Island, Mich....ton. 7.50 - —
Ripplemead, Va. ....ton. 6.25 - —
Riverton, Va. .....ton. 6.25 - —
Scioto, Ohio .....ton. 6.00 - —
Sheboygan, Wis. ....ton. 7.00 - —
Sherwood, Wis.....ton. 7.50 - —
Springfield, Mo. ....ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
Hydrated, paper bags, f.o.b. Bellefonte, Pa..ton. 8.50 - —
Berkley, W. Va. ....ton. 8.50 - —
Buffalo .....ton.11.00 - —
California, northern..ton.15.30 - —
southern .....ton.13.95 - —
Cedar Hollow, Pa....ton. 8.50 - —
Chicago .....ton. 9.50 - —
Crab Orchard, Tenn.ton. 9.00 - —
Dallas, Tex. .....ton.12.00 - —
Durbin, Ohio .....ton. 8.00 - —
Eagle Mountain, Va..ton. 8.50 - —
Easton, La. .....ton. 9.00 - —
Farnams, Mass. ....ton. 9.00 - —
Gibsonburg, Ohio....ton. 8.50 - —
Hannibal, Mo. .....ton. 8.50 - —
Keystone, Ala. .....ton. 9.00 - —
Knoxville, Tenn....ton. 9.00 - —
Limedale, Ark. ....ton. 9.00 - —
Longview, Ala. ....ton. 9.00 - —
Louisville, Ky. .....ton.14.50 - —
Marble Cliff, Ohio..ton. 8.00 - —
Marblehead, Ohio...ton. 9.00 - —
Martinsburg, W. Va..ton. 8.50 - —
Milltown, Ind. ....ton.12.50 - —
Mitchell, Ind. .....ton. 9.00 - —
Newala, Ala. .....ton. 9.00 - —
Pelham, Ala. .....ton. 9.00 - —
Petolsky, Mich. ....ton. 9.00 - —
Port Island, Mich....ton. 9.00 - —
Rapid City, S. D....ton.12.00 - —
Ripplemead, Va. ....ton. 8.00 - —
Riverton, Va. .....ton. 9.00 - —
Scioto, Ohio.....ton. 8.00 - —
Sherwood, Wis. ....ton. 9.00 - —
Siluria, Ala. .....ton. 9.00 - —
Springfield, Mo. ....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
spray, paper bgs., f.o.b. Bellefonte, Pa..ton. 9.00 - —
Durbin, Ohio .....ton. 9.00 - —
Farnams, Mass.....ton. 9.00 - —
Gibsonburg, Ohio....ton.11.00 - —
Marble Cliff, Ohio....ton.11.00 - —
Marblehead, Ohio....ton.11.00 - —
Mitchell, Ind. .....ton. 9.00 - —
Scioto, Ohio .....ton. 9.00 - —
Sherwood, Wis. ....ton. 9.00 - —
Woodville, Ohio.....ton.11.00 - —
Lime salts (see Calcium)
Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kan., Okla., Tex..lb. .07½- .08½
dms., same basis.....lb. .10½- —
400 lbs., or more, bgs., same basis..lb. .07¾- .08¾
dms., same basis.....lb. .11 - —
less than 400 lbs., same basis, lb. .08½- .09½
dms., same basis.....lb. .12 - —
solution, dms., consumer, c.l., works, f'r all'd..gal. .13½- .16½
dealer, fr't all'd.....gal. .13 - .16
l.c.l., consumer, fr't all'd, gal. .15 - .18
dealer, fr't all'd.....gal. .14 - .17
tanks, consumer, dlvd...gal. .11½- —
dealer, dlvd.....gal. .11 - —
Linalool, cns.....lb. 1.90 - 2.10
Linalyl acetate, cns., 25 lbs....lb. 1.70 - 2.45
Linden flowers, with leaves, bls.lb. .16 - .17
without leaves, bls.....lb. .17 - .18
Linseed cake, bgs., export....ton.28.00 - —
Meal, 32%, dom., bgs.....ton.37.00 - —
Litharge, com'l, powd., bbls., 20-tons dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo. and E. of Cascade Mts. in Ore. and Wash..lb. .0775- —
other points.....lb. .0750- —
5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash....lb. .08¼- —
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash..lb. .08¾- —
Colo., Mont., N. Mex., Wyo..lb. .08½- —
other points.....lb. .08 - —
smaller lots, dlvd., Ala., etc..lb. .08¾- —
Ariz., etc.....lb. .09¼- —
Colo., etc.....lb. .09 - —
other points.....lb. .08¾- —
Lithium bromide, jars, 25 lbs. lb. 1.70 - 1.75
Carbonate, bbls., 250 lbs....lb. 1.25 - —
kgs., 100 lbs.....lb. 1.30 - —
Chloride, jars, 25 lbs.....lb. 1.65 - 1.70
Citrate, bbls., 250 lbs.....lb. 1.40 - —
fib dms., 25 lbs.....lb. 1.45 - —
kgs., 100 lbs.....lb. 1.40 - —
Iodide, bots., 5 lbs.....lb. 4.85 - —
jars, 25 lbs.....lb. 4.70 - —
Fluoride, bbls.....lb. 2.10 - 2.60
Lithopone, dom., high-strength, bgs., 20 tons, dlvd. E. or ex whse. Pac. Cst.....lb. .05½- —
smaller lots, same basis..lb. .06½- —
bbls., 20 tons, same basis, lb. .06½- —
smaller lots, same basis.lb. .06¾- —
ordinary, bgs., 20 tons, same basis..lb. .04¾- —
smaller lots, same basis.lb. .04¾- —
bbls., 20 tons, same basis, lb. .04¾- —
smaller lots, same basis.lb. .04¾- —
titanated, bgs., 20 tons, same basis..lb. .05¾- —
smaller lots, same basis.lb. .06¼- —
bbls., 20 tons, same basis, smaller lots, same basis.lb. .06¾- —
lb. .06½- —
Liverwort leaves, bls.....lb. .18 - .19
Lobelia herb, bls.....lb. .12 - .13
Seed, bgs.....lb. .35 - .36
Logwood extract, cryst., bbls..lb. .18 - .22
liquid, 51°, bbls.....lb. .09½- .11½
solid, bxs.....lb. .15 - .19
Sticks, Haitian, shipt.....ton.24.00 -25.00
Lovage root, dom., bls.....lb. .55 - .65
import, bls.....lb. .35 - .37
Lupulin, N. F., tins.....lb. 1.75 - 2.00
Lycopodium, cs.....lb. 1.40 - 1.45

M

Mace, Banda, cs.....lb. .54 - .55
Batavia, cs.....lb. .48 - .49
Slauw, 1, cs.....lb. .55 - .56
Madder, Dutch, bgs.....lb. .22 - .25
Magnesia, arsenate, cs., dms..lb. .18 - .20
Calcined, dom., four-hour, including activator, ctns., 10,000 lbs. or over, f.o.b. Plymouth Meeting, Pa., frt. alld. to Balto., Bost., N. Y.,
Phila..lb. .27 - —
1,000-10,000 lbs., same basis..lb. .28½- —
less than 1,000 lbs., same basis..lb. .30 - —
tech., heavy, bbls., f.o.b. Plymouth Meeting, Pa., frt. alld. to Balto., Bost., N. Y., Phila..lb. .28 - —
1-lb. pkgs., same basis.lb. .38 - —
light, bbls., same basis.lb. .23 - —
1-lb. tins, same basis.lb. .33 - —
USP, heavy, bbls., same basis. lb. .30 - —
1-lb. pkgs., same basis.lb. .40 - —
special, bbls., same basis. lb. .27 - —
super light, bbls., same basis..lb. .30 - —
calcined, USP, import., heavy, pharm., bbls..lb. .50 - —
light, extra, bbls.....lb. .36 - .40
standard, bbls.....lb. .30 - —
Carbonate, tech., Zone 1, bgs., c.l..lb. .06½- —
l.c.l. .....lb. .07 - —
bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08 - —
kgs., c.l.....lb. .08¾- —
l.c.l. .....lb. .09½- —
Zone 2, bgs. c.l.....lb. .06 - —
l.c.l. .....lb. .06½- —
bbls., c.l.....lb. .07 - —
l.c.l. .....lb. .07½- —
kgs., c.l.....lb. .08½- —
l.c.l. .....lb. .09 - —
USP, Zone 1, bbls., c.l....lb. .08¼- —
l.c.l. .....lb. .09 - —
kgs., c.l.....lb. .09¾- —
l.c.l. .....lb. .10½- —
Zone 2, works, bbls., c.l..lb. .08 - —
l.c.l. .....lb. .08½- —
kgs., c.l.....lb. .09½- —
l.c.l. .....lb. .10 - —
Zone 1:—Mass., Conn., R. I., N. Y., N. J., Pa., Del., and Md. C.l. shipm'ts, full fr't alld. up to, but not exceeding, 25c. per 100 lbs., actually paid by customers. On l.c.l. shipm'ts., frt. alld., including dlvd. store-door. Zone 2:—Balance of U.S.
Chloride, flake, dom., bbls., works..ton.39.00 -42.00
Hypophosphite, cns., 100 lbs..lb. 1.45 - —
25 lbs.....lb. 1.50 - —
Oxide (see Calcined)
Palmitate, bbls.....lb. .83 Nom.
Peroxide, 15%, dms., works.lb. 1.00 - 1.95
Silicate (see Talc)
Silicofluoride bbls.....lb. .09½- .10½
Stearate, bbls., ctns., c.l....lb. .21 - —
1 ton .....lb. .22 - —
1,000-2,000 lbs.....lb. .23 - —
smaller lots.....lb. .24 - —
Sulphate (see Epsom salt)
Magnesite, cal., import, bbls.ton.60.00 -65.00
dead-burned, dom., bulk, c.l., f.o.b. Chewelah, Wash....ton.25.00 - —
Malva flowers, black, bls.....lb. .40 - .42
Blue, bls.....lb. .45 - .50
Leaves, bls.....lb. .11 - .12
Manaca root, bls.....lb. .20 - .21
Mandrake root, bls.....lb. .13 - .14
Manganese acetate, dms.....lb. .24½- —
Arsenate, bgs.....lb. .12 - .12½
Borate, tech., bbls.....lb. .15 - .16
Carbonate, bbls.....lb. .21 - .23
Chloride, bbls.....lb. .09 - —
Dioxide, Caucasian, 85-90%, csks., c.l., works..ton.51.50 - —
l.c.l., 5 tons, works..ton.54.50 - —
smaller lots, works.ton.59.50 - —
burlap bgs., c.l., works.ton.49.50 - —
l.c.l., 5 tons, works..ton.52.50 - —
smaller lots, works.ton.57.50 - —
paper bgs., c.l., works.ton.47.50 - —
l.c.l., 5 tons, works.ton.50.50 - —
smaller lots, works.ton.55.50 - —
Manganese, glycerophosphate, bbls., kgs., 1,000-lb. lots lb. 2.61 - —
smaller lots.....lb. 2.71 - —
cns., 25 lbs.....lb. 2.85 - —
solut., djns., 1,000 lbs. lots, lb. .61 - —
smaller lots.....lb. .71 - —
cns., 25 lbs.....lb. .81 - —
Hydrate, bbls., dlvd.....lb. .32 - —
Iodide, bots., 5 lbs.....lb. 5.25 - —
jars, 25 lbs.....lb. 5.10 - —
Linoleate, liquid, 4%, dms...lb. .18 - .19½
solid, precip., 8.2%, bbls....lb. .19 -
Ore, 50-52%, basis, bbls., c.l. Atl. ports..unit-ton. .40 Nom.
Resinate, fused, 3½%, bbls...lb. .08¼- .08½
precip., dms.....lb. .12 - —
Sulphate, anhyd., bbls., works, lb. .07 - .07½
crvst., 65% $MnSO_4$, bgs., c.l., dlvd. South..ton.48.75 -
l.c.l., bgs.....ton.55.75 - —
80-85%, ogs., c.l., works, frt. alld. to S.F.A. territory unit-ton. .75 - —
l.c.l., 5 tons, works...lb. .08¼- —
smaller lots, works..lb. .04 - —
Mangrove bark, bgs., shipt..ton.25.50 -26.00
Manna, flake, large, cs.....lb. .35 - .36
small, cs.....lb. .20 - .21
Mannitol, pure, cryst., cs., works, lb. 1.48 - —
Marble flour, bgs.....ton.12.00 -14.00
Marjoram, French, bbls.....lb. .18 - .18½
Tunisan, bls.....lb. .17 - .17½
Matico leaves, bls.....lb. .28 - .30
Menthol, U.S.P., natural, cs..lb. 3.20 - 3.30
synthetic, tech., cs.....lb. 2.25 - —
U.S.P., cs.....lb. 3.25 - —
liquid, dms., 40 lbs.....lb. 1.60 - —
Menthyl salicylate, tins, 100 lb. lots..lb. 3.00 - —
25 lb. lots.....lb. 3.10 - —
Mercurial ointment, 30%, pails, 50 lbs.....lb. .87 - —
25 lbs.....lb. .89 - —
50%, pails, 50 lbs.....lb. 1.26 - —
25 lbs.....lb. 1.28 - —
Mercury (see Quicksilver)
Bichloride (see Corrosive sublimate)
Bisulphate, bots., 5 lbs.....lb. 1.81 - —
fib., dms., 100 lbs.....lb. 1.68 - —
jars, 25 lbs.....lb. 1.70 - —
Chloride (see Calomel)
Iodide, red, N.F., bots., 5 lbs., lb. 3.67 - —
cns., 25 lbs.....lb. 3.55 - —
fib. dms., 100 lbs.....lb. 3.55 - —
yellow, bls., 5 lbs.....lb. 3.67 - —
cns., 25 lbs.....lb. 3.65 - —
fib. dms., 100 lbs.....lb. 3.65 - —
Nitrate ointment (see Citrine ointment)
Oxide red, N.F. (see Red precipitate)
Tech. (Red. mercury oxide).
Yellow, dom., tech., bbl....lb. 1.59 - 1.66
USP, fib. dms.....lb. 2.01 - 2.06
Mercury and chalk, ctns., 5 lbs., lb. 1.22 - —
fib., dms., 25 lbs.....lb. 1.10 - 1.12
Mesityl oxide, cns., works...lb. .25½- .27½
dms., c.l., works.....lb. .21 - —
l.c.l., works .....lb. .21½- —
tanks, works .....lb. .20 - —
Metal leaf, pkgs. of 20 books (500 leaves), aluminum, 5½x5½ in..pkg. 1.50 - 1.75
Composition, 5½x5½ in.pkg. 1.70 - 1.80
Gold, XX deep, 3⅜x3⅜ in.pkg.14.25 -14.75
3⅜x3⅜ in.....pkg.15.50 -16.50
4x4 in.....pkg.18.50 -19.00
3⅜x5½ in.....pkg.21.50 -22.00
3⅜x5½ in.....pkg.23.50 -24.00
Silver, 3⅜x3⅜ in.....pkg. 2.25 - 2.35
Metanitroanilin, kgs.....lb. .67 Nom.
Metanitroparatoluidin, bbls....lb. 1.45 - —
Metaphenylenediamine, kgs....lb. .80 - —
Metatoluylenediamine, kgs.....lb. .65 - —
Methanol, denat. grade, dms., c.l., frt. alld., E. of Rockies..gal. .44 - —
tanks, frt. alld., E. of Rockies..gal. .38 - —
pure, nat'l or synth., dms., c.l., Zone 1, frt. alld..gal. .38 - —
2, frt. alld.....gal. .41 - —
3, frt. alld.....gal. .42 - —
4, frt. alld.....gal. .44 - —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .40½- —
2, frt. alld. or dlvd..gal. .47 - —
3, frt. alld. or dlvd..gal. .44½- —
4, frt. alld. or dlvd..gal. .60 - —
tanks, Zone 1, frt. alld..gal. .33 - —
2, frt. alld.....gal. .35½- —
3, frt. alld.....gal. .36½- —
4, frt. alld.....gal. .37 - —
95%, 2c. less than pure, all zones, frt. alld.
97%, 1c. less than pure, all zones, frt. alld.
Methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn.; R. I., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal., San Francisco, Cal., Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.
Methyl acetate, 99%, dms., c.l.; frt. alld. E. of Rockies..lb. .16 - —
W. of Rockies.....lb. .16½- —
l.c.l., frt. alld. E. of Rockies..lb. .17 - —
W. of Rockies.....lb. .17½- —
82%, dms., c.l., frt. alld. E. of Rockies..lb. .13 - —
W. of Rockies.....lb. .13½- —
l.c.l., frt. alld. E. of Rockies..lb. .14 - —
W. of Rockies.....lb. .14½- —
Acetoacetate, dms., c.l., works, frt. alld..lb. .29½- —
Acetone, nat., dms., c.l., contracts, Zone 1..gal. .39 - —
2, ...gal. .42 - —
3, ...gal. .43 - —
4, ...gal. .45 - —
tanks, contracts, Zone 1.gal. .33 - —
2 .....gal. .35½- —
3 .....gal. .36½- —
4 .....gal. .37 - —
Methyl acetone, natural, prices are quoted for direct shipment from refinery f.o.b. shipping point, freight allowed to destination; barrel packing, 2½c. per gal. more, in all brackets. The sale zones are: Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal., San Francisco, Cal., Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.
synthetic, dms., c.l., Zone 1, frt. alld. E. of Rockies..gal. .52½- —
2, frt. alld. E. of Rockies. gal. .54½- —
3, Pacific coast.....gal. .55½- —
l.c.l., Zone 1, frt. alld. E. of Rockies..gal. .55 - —

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Prepared Monthly by the U. S. Industrial Alcohol Co.

ALCOHOL NEWS

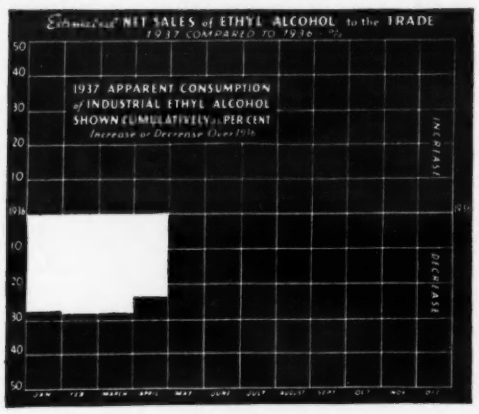
July ★ A Monthly Series of Technical Articles for Chemists and Executives ★ 1937

DRUG EXTRACTION IN VACUUM IS DEBATED

Recent studies on the effect of air content on drug extraction have divided opinion into two opposing camps. The first contends that extraction of drugs in the absence of air results in more complete extraction since the solvent is not prevented from entering the drug cell by the air which is normally present there.

To eliminate this, it is suggested that the drug be extracted with a tube which is evacuated and fitted with a clamp so that the solvent may be dropped on the drug at a slow rate, as for example, one drop on 100 grams of drug per minute.

This view is fallacious, assert members of the opposing camp. There is no value in removing the air, they say, because even if the process should actually introduce more solvent, this would merely dilute the tincture so prepared.



Apparent consumption of industrial ethyl alcohol from Jan. 1 to April 30, 1937, was 17,354,000 wine gallons. This is 23.9 per cent less than during the same period in 1936 when 22,791,000 wine gallons were consumed.

C. S. MUNSON ELECTED TO M.C.A. EXECUTIVE BOARD

Charles S. Munson, president of the U. S. Industrial Alcohol Co., was elected to the executive committee of the Manufacturing Chemists' Ass'n of the United States at the annual meeting on June 3 at the Seaview Golf Club, Absecon, N. J. The election of Mr. Munson and R. H. Dunham, president of Hercules Powder Co., increased the membership of that board from thirteen to fifteen, and permits the committee to handle the heavier volume of business that has developed in the past year.

750 NEW OUTLETS FOR ALCOHOL-GAS BLENDS

The 250 service stations now selling alcohol-gasoline blends in Kansas, Missouri, Nebraska, Iowa, Minnesota and the Dakotas will be increased to 1000 within the next three months, declares Dr. Leo M. Christensen of the Farm Chemurgic Council. Pointing out that these blends are comparable in cost to the corresponding grades of ordinary gasoline, he outlines the various types now available.

(*Continued on next page*)

Omaha Bee-News

A DOGGY PRODUCT!

While supremely confident that they had developed a tamper proof, non-refillable can for anti-freeze, the makers of Super Pyro, a product of U.S.I., received a distinct shock on learning that this "vicious" dog had taken up temporary abode in one of their familiar red and blue one-gallon cans.

Arrested in Omaha, Nebraska, for some canine mishap, he waits before the bar of justice, repentant—and hopeful that his sentence will not be over thirty days.

Aspirin Combined With Iodine

The anesthetic action of aspirin is said to be combined with a low iodine effect in acetyl-mono-iodo-salicylic acid, a new iodine derivative of aspirin. The substance, recently introduced in Paris, France, is recommended for acute and chronic rheumatism. It is of low solubility in water and alkali carbonate solution, but readily soluble in ethanol, methanol and benzene, according to reports.

AN INCREASE of 1¢ per gallon featured new price schedules for pure and denatured alcohol released on June 15. The new prices became effective immediately and apply to spot or contract business during the third quarter. Retail schedules covering Tax Free and Tax Paid alcohol remained unchanged.

NEW FLAVORS NO LURE FOR CANDY CONSUMERS

Extract Producers Urged To Perfect Old Flavors; Standardization Suggested

Between the tender 'teens and old age there is no great gulf—not if preference for flavor in candies is the yardstick. Both ages, it appears, like their flavors strong, delegates of the Flavoring Extract Manufacturers Convention were told recently. Oldsters, however, have an extra sweet tooth for mint and are inclined to be a bit more selective.

However, should the candy manufacturer feel that his problem is thus simplified, he will find himself coming to grips with another great class of candy lovers—the people who buy candy by the pound and consume it by the pound.

Demand Delicate Flavor

This group, middle aged incidentally, prefers flavors of character but delicate enough to whet the taste for more. It shows no compunction in discarding that which does not please and, furthermore, to the dismay of the sweets manufacturer, coldly refuses to purchase that type again.

Flavor preferences also vary from locality to locality, it was brought out.

In the face of such observations, flavoring extract manufacturers were asked to study the candy manufacturer's product, classify it in one of the above groups as well as by the section of the country in which it is sold. This does not necessarily mean the introduction of new flavors, since the candy consuming public wants flavors in candy it is accustomed to eating in daily life: common fruit flavors and certain essential oils. Add to this a greater emphasis on quality, says another observer, and greater success might be expected.

No small secret is the proper concentration of the flavoring extract and its diffusion throughout the candy. Alcohol, it appears, can

(*Continued on next page*)

Pictures, Inc.

STAYING ON THE TRACK is one feat this contestant in a trial spin on the Roosevelt Raceway is accomplishing. He is one of the international field who raced 300 miles around the Westbury, Long Island, course on July 3. Many of the cars were driven by alcohol-gasoline blends. P. J. Piccirilli of the U. S. Industrial Alcohol Co. served on the Technical Committee of the A.A.A.

ADVERTISEMENT—*This entire page is a paid advertisement.*

July ★ **ALCOHOL NEWS** ★ 1937

BACTERIA THRIVE ON NEW GROWTH FACTOR

Substance, Not A Food, May Be Present In All Tissue

First evidence of a mysterious "growth factor" which has the remarkable property of stimulating growth of many of the more exacting pathogenic bacteria in a simple synthetic medium is revealed in a recent issue of the *Journal of the American Chemical Society.*

Experiments conducted under the supervision of four investigators showed that the substance is widely and perhaps universally distributed in living tissue, whether of plant or animal origin, and may be removed by adsorption on charcoal followed by elution with hot ethanol or acetone. Rich sources are calf spleen, calf liver and yeast, the report continues.

Unable to Identify

When added to a synthetic medium containing dextrose and a few amino acids, some startling cultures were noted, particularly with *shigella dysenteria,* Sonne type. Were these increases due to actual food materials carried over in the fraction from tissue? Apparently not, say the investigators, since only slight growths were noted when the same substance was added to inorganic salt solutions.

Attempts so far to isolate it as a pure substance have failed. However, it is undoubtedly of an inorganic nature and remarkably stable to certain reagents, they conclude.

NEW FLAVORS NO LURE FOR CANDY CONSUMERS

(*Continued from previous page*)

aid materially in solving this problem as well as preventing spotting in pan work.

At the same time, from far-off Australia, come reports of a preliminary attack on odor and flavor standardization. Suggestions in the report call for determining over a period of time a person's normal threshold to various dilute solutions of vanillin. The concentration at which the taste of vanillin just appears is his threshold for vanillin. This is followed by rinsing the mouth with distilled water at 40° C. and waiting until the flow of saliva appears. The substance to be tasted is taken in 10 cc. sips and its taste recorded in terms of a standard classification. After-taste, if any, is recorded in the same manner.

Another suggestion is performance of the tests in a well ventilated room free from extraneous odors. Tests should not be carried out within two hours of smoking or taking any strong tasting substances, it was added.

Imports of Synthetic Camphor Double in '36

Imports of synthetic camphor in 1936 were almost double those of 1935 and the highest since 1930, according to the Commerce Department's Chemical Division. Imports were 1,967,400 lbs. in 1936 compared with 926,000 lbs. in 1935. Total imports of camphor, synthetic and natural, aggregated 5,302,400 lbs. last year, compared with 3,724,200 lbs. during 1935.

Estimates describe the distribution of camphor as follows: 66% to the "celluloid" industry, 14% for insecticides, etc., 10% to pharmaceutical manufacturers, and 10% for explosives.

INSULIN SUGGESTED AS CURE FOR ASTHMA

Insulin, which has given comfort and years of life to diabetics and is now suggested as a remedy for the once hopeless mental disease, schizophrenia, may prove of still wider utility as a remedy for asthma. A Polish physician reports that while he knows insulin has this effect, its exact action is not clear.

An injection of insulin, which is obtained by treating the pancreatic glands of animals with alcohol, reduces the amount of sugar in the blood. In his treatment, this doctor injects just enough insulin to reduce the amount of blood sugar by half. The treatment is repeated every three or five days, though in bad cases injections may be necessary twice a day.

Speakers at a meeting of the American Neurological Association warned against the indiscriminate use of insulin. They were apparently concerned with the possibility of brain changes resembling those of encephalitis, or sleeping sickness, if insulin shock were tried on patients afflicted with gallstones, kidney colic and migraine headaches, for example.

750 NEW OUTLETS FOR ALCOHOL-GAS BLENDS

(*Continued from previous page*)

Anhydrous ethyl alcohol produced from farm products is denatured with 22 per cent of other ingredients, of which about six per cent are also derived from farm products. This fluid, called "Agrol," is added to gasolines for blending purposes, Dr. Christensen explains.

Three grades of blended gasoline, he continues, are marketed today—Agrol 5, 10 and 15. Agrol 5 which contains 5 to 7½ per cent Agrol fluid by volume is said to have an antiknock value equal to that of the best grades of "regular" gasoline. Agrol 10 contains from 7½ to 12½ per cent Agrol fluid. Agrol 15 containing from 12½ to 17½ per cent Agrol fluid is said to exceed the quality of the best aviation gasolines.

TECHNICAL DEVELOPMENTS

Further information on these items may be obtained by writing to U.S.I.

A specialty wax, composed of hydrocarbons of the paraffin series, is reported suitable for use in place of higher priced ozokerite. It is said to melt at approximately 60° C. in spite of the fact that it is plastic and can be molded with the fingers. Suggested uses are in "non-sweating" liquefying cleansing creams, emulsified creams and lipsticks.

U S I

Yeast concentrates containing 100 to 200 International Units of vitamin B_1, and from 35 to 70 Sherman-Borquin vitamin G (B_2) have been reported. It is claimed that concentrates at this level are more likely to contain the accessory factors in the B complex, other than B_1 and B_2, as they exist in yeast, than when higher degrees of concentration are obtained.

U S I

Lipstick applied with a new attachment for the lipstick case eliminates the messy operation usually performed by the fingers. The attachment utilizes a specially designed roll of tape which is replaceable and ample for fifty applications, according to the manufacturer.

U S I

Moisture-proof paper, recently developed, may be immersed in water for as long as 96 hours without showing penetration, according to the manufacturer. It is said to have excellent folding and printing characteristics.

U S I

White, domestic bleached beeswax has been introduced by one manufacturer. The product is said to have considerably less odor than the imported grade and give stable emulsions.

U S I

Sterilizing material recently developed is said to prevent the growth of slime and algae when small quantities are added to water. The manufacturer states that the material is soluble in water, transmits no odor to the water or air, is colorless, safe and non-toxic. Suggested uses are in storage tanks, air-conditioning equipment, waste-water reservoirs, etc.

U S I

A tablet-making machine for experimental and small-scale production work on chemicals, foods and drugs was marketed recently. The motor-driven machine has a reported capacity of 100 tablets per minute.

U S I

Soluble cocoa may now be made by a special method available to manufacturers under license, according to the developer of a process for this purpose. Cocoa made by this process is reported to dissolve completely in milk without deposit of sediment or increase in the viscosity of the milk where it is used.

U S I

A small portable ozone generator now on the market is said to have been used successfully for deodorizing and sterilizing food trucks.

A TABLE listing mechanical and other properties of twelve principal plastic materials may be obtained by writing to U.S.I.

U.S. INDUSTRIAL ALCOHOL CO.

WORLD'S LARGEST PRODUCERS OF INDUSTRIAL ALCOHOL

ETHYL ALCOHOL

SPECIALLY DENATURED-*All Formulas* • COMPLETELY DENATURED-*All Formulas* • ANHYDROUS-*Denatured* • ABSOLUTE-*Pure*

SOLOX-*The General Solvent* • U. S. I. DENATURED ALCOHOL • SUPER PYRO *Anti-Freeze*

PURE (190 PROOF) TAX PAID—TAX FREE

U. S. I.—U. S. P.-*Ethyl* • WEBB'S-*Ethyl*

Executive Offices: 60 East 42nd Street, New York, N. Y. Branches in all Principal Cities.

Methyl acetone, synth., l.c.l., Zone 2, frt. alld. E. of Rockies..gal. .59½- —
3, Pacific Cst.....gal. .58 - —
tanks, Zone 1, frt. alld. E. of Rockies..gal. .48 - —
2, ft. alld. E. of Rockies. gal. .49½- —
3, Pacific Coast.....gal. .51 - —
Methyl acetone, synthetic, sales zones are:—Zone 1, Conn., Dela., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., West Va. and Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C. and S. D.; Zone 3, Pacific Coast.

Alcohol (see Methanol).
Anthranilate, bots.....lb. 1.95 - 2.05
Benzoate, cns, 25 lbs.....lb. .70 - 1.00
Chloride, refrigeration, 500 lbs. and up, machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers, cyl..lb. .36 - —
60 to 499 lbs, cyl., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers, cyl..lb. .40 - —
tanks, multi-unit, mach. mfrs. and jobbers..lb. .31 - —
service men and consumers, lb. .35 - —
Methyl chloride prices are spot or contract, effective Juy 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 130 lbs. cylinders. Prices on the 20-lb. cylinders are uniformly 10c. per pound higher than above prices.
Cinnamate, bots.....lb. 3.00 - 3.75
Formate, dms.....lb. .35 - .36
Iodide, bots., jars.....lb. 5.80 - 5.85
Salicylate, dms.....lb. .40 - .43
tins.....lb. .42 - .45
Violet toner, bbls. (500 lbs.)..lb. .40 - —
smaller lots.....lb. .42 - —
permanent, bbls.....lb. .80 - —
Methylbutyl ketone, dms., c.l., frt. pd. E. of Rocky Mts.lb. .11½- —
l.c.l., same terms.....lb. .12 - —
tanks, same terms.....lb. .10½- —
Methylene, blue, medicl., kgs, 100 lbs..lb. 2.00 - —
cns., 5 lbs.....lb. 2.35 - —
Methylene chloride, dms., f.o.b. works..lb. .18 - .22
Methylheptenone, bots.....lb. 2.50 - 3.00
Methylheptin carbonate, bots..lb.27.50 -44.00
Methylhexyl ketone, dms., tech., wks..lb. .60 - —
Methylisobutyl ketone, dms., c.l. wks..gal. .76 - —
l.c.l. wks.....gal. .80 - —
tanks, wks.....gal. .70 - —
Methylpropyl carbinol (see Carbinol).
Methylpropyl ketone, dms., c.l., lb. .16 - —
l.c.l. .....lb. .20 - —
tanks .....lb. .15 - —
Metronite pigment, 120 mesh, containers extra, c.l., f.o.b. Milwaukee..ton. 9.00 - —
l.c.l., same basis.....ton.11.00 - —
180 mesh, containers extra, c.l., same basis..ton.11.00 - —
l.c.l., same basis.....ton.13.00 - —
250 mesh, containers extra, c.l., same basis..ton.13.00 - —
l.c.l., same basis.....ton.15.00 - —
Metronite pigment, 325 mesh, containers extra, c.l., same basis..ton.18.00 - —
l.c.l., same basis.....ton.20.00 - —
Mica, dry-grd., plastic, No. 100, 40 mesh, bgs.,c.l., works.ton.35.00 - —
l.c.l., works.....ton.43.75 - —
second grade, bgs., c.l., works..ton.32.00 - —
l.c.l., works.....ton.41.25 - —
250, 100 mesh, bgs., c.l., works..ton.40.00 -50.00
l.c.l., works.....ton.50.00 -60.00
second-grade, bgs., c.l., works..ton.23.90 -30.00
l.c.l., works.....ton.29.90 -47.50
800, 140 mesh, bgs., c.l., works..ton.50.00 - —
l.c.l., works.....ton.62.50 - —
roofing, bgs., c.l., works..ton.23.50 -30.00
l.c.l., works.....ton.30.00 -37.50
wet-ground, paint, oil or lacquer, bgs., c.l., dlvd. E....lb. .04½- —
l.c.l., works.....lb. .04¼- —
water, bgs., c.l., dlvd. E..lb. .04 - —
l.c.l., works.....lb. .04 - —
paper, wall or coated, bgs., c.l., frt. alld., E..lb. .03¾- —
l.c.l., 2,000 lbs., frt. all., E..lb. .04¼- —
smaller lots, frt. alld., E..lb. .04¾- —
rubber, bgs., c.l., frt. alld., E..lb. .03½- —
l.c.l., 2,000 lbs., ft., alld., E..lb. .04 - —
smaller lots, frt. alld., E..lb. .04½- —
wet-ground mica prices are ½c. per pound higher on Pacific coast.
Milk powder, skimmed, roller bbls., c.l...lb. .07½- —
l.c.l. .....lb. .08½- —
spray, bbls., c.l.....lb. .08½- —
l.c.l. .....lb. .09½- —
unskimmed, roller, bbls., c.l..lb. .17 - —
l.c.l. .....lb. .17½- —
spray, bbls., c.l.....lb. .17 - —
l.c.l. .....lb. .17½- —
Millet seed, bgs.....lb. .03¾- .03¾
hulled, bgs.....lb. .06½- .07
Mineral spirits (see Petroleum thinner and V. M. & P. naphtha).
Molasses, blackstrap, tanks..gal. .07¼- —
New Orleans.....gal. .07 - —
Molybdate orange (see Orange, molybdate).
Molybdenum metal, kgs., 99% powd..lb. 2.50 - 2.75
Monoamylamine, dms., c.l., wks. lb. .52 - —
l.c.l., works.....lb. .55 - —
Monochlorobenzene, dms.....lb. .06 - .06½
Monoethanolamine, dms., c.l., works..lb. .26 - —
l.c.l., dms .....lb. .27 - —
tanks .....lb. .25 - —
Monoethylanilin, dms.....lb. .77 Nom.
Monomethylpara-aminophenol sulphate, dms..lb. 3.75 - 4.00
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Ethylhydrochloride, bots., 5 ozs., oz.10.75 - —
cns., 25 ozs.....oz.10.55 - —
Hydrobromide, bots., 5 ozs..oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Mullein flowers, cns.....lb. .90 - .95
Leaves, bls.....lb. .07 - .08
Musk, nat., Tonquin, grained, bots..oz.21.00 -22.00
pods, caddies, 20 ozs.....oz.19.00 -21.00
synth., ambrette, cns., 100 lbs. or more..lb. 3.90 - —
5 lbs. to 75 lbs.....lb. 4.20 - —
1 lb.....lb. 4.35 - —
Musk, synth., ketone, cns., 100 lbs.or more..lb. 4.05 - —
5 lbs. to 75 lbs.....lb. 4.35 - —
1 lb.....lb. 4.50 - —
Xylol, cns., 100 lbs. or more lb. 1.15 - —
5 lbs. to 75 lbs.....lb. 1.25 - —
1 lb.....lb. 1.40 - —
Musk root, bls.....lb. .09 - .10
Mustard seed, Bombay, brown, bgs..lb. .05 - .05½
California, brown, bgs.....lb. .07½- .08
yellow, bgs.....lb. No stocks
Chinese, yellow, bgs.....lb. .05½ Nom.
Danish, yellow, bgs.....lb. .07½- .08
Dutch, yellow, bgs.....lb. .07½- .08
English, yellow, bgs.....lb. .08½- .09
Hungarian, yellow, bgs...lb. .07 - .07½
Roumanian, yellow bgs....lb. .05¼- .05½
Myrobalans, J1, bgs., shipt..ton.28.25 -29.00
J, bgs., shipt.....ton.20.75 - —
R2, bgs., shipt.....ton.20.25 - —
Extract, liquid, 25%, bbls....lb. .04¼- .05¼

N

Naphtha hydrogenated (see Petroleum naphtha, high solvency).
Painters' (see Petroleum naphtha, V.M.&P.).
Solvent (see S).
Naphthalene, crude, dom., 74 deg., works..100 lbs. 2.50 - 2.75
import., bgs., Atlantic ports, 100 lbs. 2.25 - 2.50
78 deg., dom., bgs., works, 100 lbs. 3.00 - 3.25
import, bgs., Atl. ports, 100 lbs. 2.75 - 3.00
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works..lb. .07¼- —
jobbers, cs., same basis..lb. .07½- —
pkgs. (16 oz.), same basis. lb. .08 - —
(12 oz.) same basis..pkg. .06¾- —
chipped, crushed, bbls., same basis..lb. .06¼- —
rice, cryst., powd., bbls., same basis..lb. .07¼- —
Nerolin, cryst., cns.....lb. 1.25 - 1.35
Nickel carbonate, bbls.....lb. .36 - .37½
Chloride, bbls.....lb. .18 - .20
Oxide, black, bbls.....lb. .35 - .38
Salt, double, bbls.....lb. .13 - .13¼
single, bbls.....lb. .13 - .13¼
Nicotine sulphate, 40%, dms., works, frt. alld..lb. .76 - —
10-lb. tins.....lb. .86½- —
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., l.c.l..lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07¼- —
Nitrocellulose, alcohol-soluble, ½, and 40, sec. vis., bbls., works..lb. .28 - —
bronzing, 30, 40, 70 sec. vis., bbls., works..lb. 29 - —
Nitrocellulose, ester-soluble, ¼, ½ 5-6, 15-20 sec. and higher vis., bbls., contract, c.l., 18,000 lbs. dry weight, works..lb. .22 - —
10,000 lbs.....lb. .25 - —
spot, bbls., works.....lb. .26 - —
lacquer, 20-30 and 60-80 sec. vis., bbls., works.....lb. .29 - —
Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.
Nitrogen solution, 45½% ammon., tanks, f.o.b. Atlantic and Gulf ports..unit-ton. 1.00 - —
Nitrogenous fertilizer material, 8-11% ammon., dom., bulk., f.o.b. Carrollville, Wis. unit-ton. 3.25 - —
Chemical, Ill...unit-ton. 3.15 - 3.25
East Coast producing points..unit-ton. 3.40 - 3.50
import., bgs., c.i.f. Atlantic ports, ship..unit-ton. 3.50 - —
Nitronaphthalene, bbls.....lb. .24 - .25
Nitrotoluene, mixed, dms.....lb. .10½- .11
Nutgalls, Aleppo, bgs., cs.....lb. .20 - .22
Chinese, shipmt., cs.....lb. .20 - .22
Extract (see Gall extract).
Nutmegs, 80s, bgs., cs.....lb. .19½- .19¾
110s, bgs., cs.....gal. .17 - .17½
West Indian, bgs.....lb. .14½- .14¾
Nux vomica, bls.....lb. .06 - .07
powd., bbls., bxs.....lb. .06½- .07

O

Oakbark extract, 25% tan., bbls., c. l., works..lb. .03½- —
l.c.l., bbls., works.....lb. .03¼- —
Ocher (see Yellow).
Octanes, 100-140° C., mixed, dms., c.l., G.3..gal. .13 - —
l.c.l., G.3.....gal. .15 - —
tanks, G.3.....gal. .10½- —
Octyl acetate, dms., c.l.,works.lb. .16 - —
l.c.l., works.....lb. .17 - —
tanks, works .....lb. .15 - —
Oil, almond, bitter, artif. (see Benzaldehyde).
natural, bots.....lb. 2.75 - 3.00
s.p.a., bots.....lb. 3.00 - 3.25
sweet, true, exp., cns.....lb. .90 - 1.00
Amber, crude, cns.....lb. .16 - .17
refd., cns .....lb. .45 - .46
Amyris, cns.....lb. 3.00 - 3.25
Angelica root, bots.....lb.64.00 -75.00
Seed, bots.....lb.70.00 -80.00
Anilin (see A).
Anise, USP, cns., dms.....lb. .70 - .75
Apricot kernel, cns.....lb. .30 - .31
Babassu, tanks, futures....lb. .05¼- —
Bay, W. I., cns.....lb. 1.50 - 1.70
Bergamot, artif., cns.....lb. 1.25 - 1.30
natural, coppers.....lb. 3.70 - 3.80
Betula (see Oil, sweet birch).
Birch (see Oil, sweet birch).
Birch tar, crude, dms.....lb. .14 - .17
rectif'd., cns.....lb. .70 - .75
Bois de rose, Brazil, cans..lb. 1.25 - 1.35
Cayenne, cns.....lb. 2.75 - 3.00
Cade, USP IX (see Oil, juniper tar).
Cajeput, tech., dms.....lb. .68 - .60
USP IX, cns.....lb. .71 - .88
Calamus, cns.....lb. 5.50 - 5.75
Camphor, sassafrassy, cns...lb. .22 - .23
dms. .....lb. .19 - .20
white, cns. .....lb. .21 - .22
dms. .....lb. .18 - .19
Cananga, native, cns.....lb. 1.75 - 2.25
rectified, cns.....lb. 3.00 - 3.25
Capsicum (oleoresin), USP VIII, cns..lb. 2.00 - 2.25
Caraway, USP, cns.....lb. 2.10 - 2.25
Cardamom, bots.....lb.20.00 -38.00
Cassia, USP, cns, dms....lb. 1.00 - 1.05
Castor, blown, one-way dms., c.l..lb. .12¼- —
l.c.l. .....lb. .13 - —
medicinal, bbls., c.l.....lb. .10¾- —
l.c.l. .....lb. .11¼- —
cns. (1-gal), l.c.l.....lb. .14¼- —
dms. (returnable), c.l....lb. .10¼- —
l.c.l. .....lb. .11¼- —
(5-gal.), l.c.l.....lb. .12½- —
tanks .....lb. .10 - —
Oil, castor, No. 3, bbls., c.l...lb. .10¼- —
l.c.l. .....lb. .11 - —
dms. (returnable), c.l..lb. .10 - —
l.c.l. .....lb. .10¾- —
tanks .....lb. .09½- —
Castor oil, med. and No. 3, prices are divd. all points between N. Y. and Philadelphia, Albany, and N. E. States; Chicago c.l. prices ¾c. higher than N. Y.; l.c.l. prices ¾c. higher than N. Y.; one-way dms., ¼c. higher, all points.
sulphonated, 50% (48% fat), dms., c.l..lb. .08 - —
l.c.l. .....lb. .08½- —
75% (63% fat), dms., c.l..lb. .11½- —
l.c.l. .....lb. .12 - —
80% (68% fat), dms., c.l..lb. .12½- —
l.c.l. .....lb. .13 - —
Cedarleaf, cns.....lb. 1.00 - 1.15
dms. .....lb. .95 - 1.10
Cedarwood, Oregon, cns., dms., lb. .28 - .30
Southern, cns., dms.....lb. .24 - .26
Celery, bots.....lb.10.50 -12.50
Chaulmoogra, USP, cns, 500 lbs..lb. .90 - —
25 lbs.....lb. 1.00 - —
Chinawood, dms., Atlantic Cst. lb. .12¾- .13
tanks .....lb. .1230- .1250
Cinnamon, Ceylon, bots.....lb. 7.75 -22.00
Seychelle, bots.....lb. 6.50 - 7.50
Citronella, Ceylon, cns.....lb. .42 - .44
dms. .....lb. .40 - .42
Java, dms.....lb. .41 - .42
Clove, makers, USP, cns....lb. 1.27 - —
dms. .....lb. 1.25 - —
Coconut, Manila, crude, August, tanks..lb. .05¼- —
September, tanks.....lb. .05⅝- —
October, forward, tanks..lb. .05 - —
Pac. Cst.....lb. .05 Nom.
edible, 76°, tax incl., dms., (returnable), c.l..lb. .10¾- —
l.c.l. .....lb. .11¼- —
tanks .....lb. .10¼- —
Cod, Newfoundland, tanked, bbls..gal. .52 Nom.
Norwegian, shipt, bbls....gal. .40 - .42
Codliver, med., USP, Norwegian, bbls..bbl.25.00 -27.00
for feed purposes, not USP, dms..gal. .50 - .65
Coriander, bots.....lb.19.00 -20.00
Corn, crude, tanks, works...lb. .08 - .08¼
refd., bbls. .....lb. .10½- .11
Cottonseed, dom., cooking, bbls. lb. .10¼- —
salad, bbls.....lb. .10⅝- —
import., Brazilian semi-refd., dms..lb. .05¼ Nom.
British, semi-refd., dms...lb. .06¼ Nom.
Creosote (see C).
Croton, USP, cns.....lb. 1.30 - 1.35
Cubeb, USP, cns.....lb. 2.85 - 3.10
Crude (see Petroleum, crude).
Cumin, bots.....lb. 8.50 -10.00
Cypress, dom., bots.....lb. 5.25 - 5.30
import., cns.....lb.12.00 -12.25
Degras (see D)
Diesel, Bayonne, bulk.....bbl. 2.20 - —
California, 27 plus, bulk..bbl. 1.00 - 1.25
Dill seed, bots.....lb. 3.15 - 3.50
Weed, bots.....lb. 5.00 - 5.50
Dip (See D):—
Erigeron, cns.....lb. 1.65 - 1.70
Eucalyptus, cns.....lb. .46 - .54
dms. .....lb. .44 - .51
Fennel, sweet, cns.....lb. 1.10 - 1.15
Fuel, bunker, California, tide-water..bbl. .85 - .95
Gulf Coast.....bbl. 1.00 - 1.05
Louisiana - Arkansas, 10-14, bbl. .65 - .75
N. Y. and N. J. terminals:—
Monday .....bbl. 1.35 - 1.50
Tuesday .....bbl. 1.35 - 1.50
Wednesday .....bbl. 1.35 - 1.50
Thursday .....bbl. 1.35 - 1.50
Friday .....bbl. 1.35 - 1.50
Saturday .....bbl. 1.35 - 1.50
North Texas, 18-22.....bbl. .80 - .85
24-28, zero cold test..bbl. .95 - 1.05
Oklahoma, 18-22.....bbl. .85 - .90
24-28, zero cold test...bbl. 1.07½- 1.12½
24-28, 15 and above...bbl. .90 - .95
Pennsylvania, 36-40.....gal. .04⅝- .04½
Furnace, Bayonne, 1, bulk, refinery..gal. .04¾- .05
2, bulk, same basis.....gal. .04½- .04¾
3, bulk, same basis.....gal. .04½- .04¾
4, bulk, same basis.....gal. .04¼- .04¾
Louisiana - Arkansas, 32-36, light straw.....gal. .03¾- .04
Oklahoma, 28-30.....gal. .03¼- .03½
32-36 .....gal. .03¾- .03¾
36-38 .....gal. .03¾- .03¾
38-40, straw.....gal. .03¾- .04
38-40 zero, 60 e.p.....gal. .03¾- .04
Fusel (see F).
Gas, Bayonne, bulk.....gal. .04¾- —
Gulf Coast, bulk.....gal. .03½- .03¾
North Texas, bulk.....gal. .02¾- .03
Oklahoma, bulk.....gal. .02½- .03¼
Gaultheria (see Oil, wintergreen leaf).
Geranium, Algerian, rose, cns. lb. 4.00 - 4.75
Bourbon, cns.....lb. 3.75 - 4.00
Turkish (see Palmarosa).
Grapefruit, cns.....lb. 1.90 - 2.00
Ginger, dist., bots.....lb. 8.00 - 8.50
Guaiac wood, concrete, bots.lb. 3.10 - 3.15
Haarlem, dom., bots.....gross 3.25 - 3.35
import, bots.....gross 3.40 - 3.50
Halibut-liver, dms.....1,000 A unit-gal. .75 - 1.00
Hemlock, cns.....lb. 1.05 - 1.10
Juniper berry, USP, cns.....lb. 1.25 - 1.75
Wood, tech., cns.....lb. .45 - —
Juniper tar, U.S.P.XI, 1,000 lb. dms..lb. .50 nom.
cns. .....lb. .55 - —
Lard, common, 1, bbls.....lb. .12½- —
2, bbls.....lb. .12 - —
extra, bbls.....lb. .13 - —
1, bbls.....lb. .12½- —
headlight, burning, bbls....lb. .14¼- —
prime, ed., bbls.....lb. .14¾- —
ined., bbls.....lb. .14¼- —
winter, strained, extra bbls., lb. .13¼- —
prime, bbls.....lb. .13½- —
Laurel, bots.....lb. 6.50 - 6.75
Lavandin, cns., 25 lbs.....lb. 2.70 - —
Lavender flower, French, USP, 50% ester, cns...lb. 6.00 - 7.50
U.S.P., 38-42% ester, cns.lb. 5.25 - 6.00
XI, 35% ester, cns...lb. 4.00 - 4.50
XI, 30% ester, cns...lb. 2.80 - 3.00
IX, 30% ester, cns...lb. 2.65 - 2.75
VIII, 30% ester, cns...lb. 2.25 - 2.35
garden, cns.....lb. .42 - .45
Spike, Spanish, tech., cns..lb. 1.05 - 1.10
dms .....lb. .95 - 1.10
Lemon, Calif., cns.....lb. 2.60 - —
Messina, coppers, cns.....lb. 3.50 - 3.75
Lemongrass, native, cns., dms. lb. .40 - .50
Lime, dist., cns.....lb. 6.10 - 6.50
expressed, cans.....lb. 9.50 -10.25
Linaloe wood, cns.....lb. 1.15 - 1.20
Linseed, boiled, bbls., c.l....lb. .1140- —
l.c.l., 5 or more.....lb. .1180- —
less than 5.....lb. .1220- .1240
tanks .....lb. .1080- —
double boiled, bbls., less than 5..lbs. .1240- .1260

Methyl Acetone—Oil, Putty

Oil, linseed, raw, bbls., c.l....lb. .1100- —
l.c.l., 5 or more.....lb. .1140- —
less than 5.....lb. .1180- —
tanks .....lb. .1040- —
Lovage, bots.....lb.41.25 -72.00
Lubricating, at refinery (including U.S. tax 4c. per gal.):—
California, green, 70 vis., tanks..gal. .21½- —
80, 100 vis., tanks...gal. .24½- —
115, 125 vis., tanks..gal. .26½- —
green, pale, 750, 900 vis., tanks..gal. .21½- —
green, pale, red, 200, 300, 350, 400, 450, 500, 600, 700 vis., tanks..gal. .21½- —
pale, red, 100, 140, 1,000 vis., tanks..gal. .21½- —
pale, 75, 175 vis.,tanks.gal. .21½- —
Oklahoma, bright stocks, 100-110 D, 0-10 pour tanks..gal. .22 - —
15-25 pour, tanks..gal. .21½- —
150-160 D, 0-10 pour tanks..gal. .24 - —
15-25 pour, tanks..gal. .23½- —
150-160 E, 15-25 pour, tanks..gal. .23 - —
bright stocks, 190-200 D, 15-25 pour, tanks..gal. .27 - —
200-210 E, 15-25 pour, tanks..gal. .26 - —
neutrals, 0-10 pour, 150 vis., 3 color, tans..gal. .18 - —
180 vis., 3 color, tanks, gal. .14 - —
4 color, tanks....gal. .13½- —
200 vis., 3 color, tanks, gal. .14½- —
4 color, tanks....gal. .14 - —
250 vis., 3 color, tanks, gal. .15½- —
4 color, tanks....gal. .15 - —
280 vis., 3 color, tanks, gal. .16½- —
4 color, tanks....gal. .16 - —
300 vis., 3½, color, tanks..gal. .17 - —
350 vis., same basis.gal. .17½- —
400 vis., same basis.gal. .18 - —
500 vis., same basis.gal. .18½- —
600 vis., same basis.gal. .19 - —
15-25 pour prices are ½c. per gallon higher than zero to 10° pour.
Penna., bright, 600 cold test, 10-40 pour, tanks..gal. .27 - —
10-15 pour, tanks..gal. .28 - —
cylinder, 600 fire, tanks, gal. .19 - —
600 flash, tanks.....gal. .22½- —
620 flash, tanks.....gal. .26½- —
635 fire, tanks.....gal. .20 - —
650 fire, tanks.....gal. .21½- —
Warren, E, amber, tanks, gal. .22½- —
neutral, 150 vis., 3 color, tanks..gal. .25 - —
180 vis.,3 color,tanks.gal. .27 - .27½
200 vis.,2 color,tanks.gal. .29½- —
spot, Penna., bright, bbls., c.l., f.a.s..gal. .34 - —
unfiltered, 600 s.r., bbls., f.a.s.gal. .28 - —
600 flash, s.r., bbls., c.l., gal. .33½- —
650 s.r., bbls., c.l., f.a.s., gal. .29 - —
Warren, E. bbls., c.l.,f.a.s. gal. .31 - —
smaller lots, f.o.b.gal. .33½- —
Mace, dist., cns., dms.....lb. 1.40 - 1.42
Mandarin, superior, coppers..lb. 8.10 - 8.25
Menhaden, crude, tanks, f.o.b. Balto..gal. .40 Nom.
refd., alkali, dms.....lb. .0940- —
tanks .....lb. .0840- —
blown, dms.....lb. .0920- —
kettle-bodied, dms.....lb. .1040- —
light pressed, dms.....lb. .0880- —
tanks .....lb. .0780- —
Mineral, white (see Oil, white mineral)
Mustard, artif., USP., cns...lb. 1.85 - 1.90
dist., natural, bots.....lb. 8.50 - 9.00
expressed, bbls.....gal. .90 - .95
Neatsfoot, cold test, bbls....lb. .18¾- —
extra, bbls.....lb. .12¾- —
1, bbls.....lb. .12½- —
pure, bbls.....lb. .13¼- —
special, bbls.....lb. .13¾- —
sulphonated, 25% moisture, dms..lb. .10½- —
sulphonated, common, 50%.....lb.115.00 -140.00
Nutmeg, USP, cns., dms...lb. 1.40 - 1.42
Oiticica, dms.....lb. .10⅝- .11
futures .....lb. .10¾ Nom.
Oleo, 1, bbls.....lb. .13 - —
2, bbls. .....lb. .12¼- —
Olibanum, bots.....lb. 5.00 - 5.25
Olive, denat., bbls.....gal. 1.50 Nom.
edible, bbls.....gal. 2.40 Nom.
foots, bbls.....lb. .11¼Nom.
sulphonated, 50% (43% fat), dms., c.l..lb. .12 - —
l.c.l. .....lb. .12¼- —
75% (63% fat), dms., c.l..lb. .15½- —
l.c.l. .....lb. .16 - —
80% (68% fat), dms., c.l..lb. .16½- —
l.c.l. .....lb. .17 - —
Orange, sweet, dist., cs.....lb. .90 - —
expressed, African, cns., dms..lb. 1.90 - 2.00
Calif., cns.....lb. 2.50 - —
Florida, cns.....lb. 2.50 - 2.65
Messina, USP, coppers.lb. 2.70 - 3.00
West India, cns.....lb. 2.25 - 2.30
Origanum, Spanish, cns.....lb. .90 - 1.00
Orris, Florentine, concrete, extra strong, bots..oz. 5.25 - 5.50
Palm, Niger, cks.....lb. .05½- .05¾
shipment .....lb. .04¾ Nom.
softs, 12½%, bulk, shipt...lb. .0480- —
20%, bulk, shipt.....lb. .0475- —
Sumatra, shipment, bulk...lb. .05 Nom.
Palmarosa, cns.....lb. 2.90 - 3.00
Palmkernel, bulk, shipt.....lb. .05½- —
Paraffin, 320° flash, 60-70 vis., tanks, G. 3..gal. .05¼- —
330° flash, 70-80 vis., tanks, G. 3..gal. .05½- —
80-85 vis., bbls., extra, Ind. refy..gal. .12 - —
350° flash, 100-105 vis., bbls. extra, Ind. refy..gal. .14 - —
360° flash, 100-110 vis., tanks, G. 3..gal. .05¾- —
Patchouli, bots., cns.....lb. 5.00 - 8.50
Peanut, crude, dom., tanks, works..lb. .08 Nom.
refd., edible, bbls.....lb. .12¼ Nom.
Pennyroyal, dom., cns.....lb. 1.55 - 1.60
import, cns.....lb. 1.40 - 1.45
Peppermint, natural, cns., dms. lb. 2.35 - 2.50
redist., USP, cns., dms.....lb. 2.65 - 2.80
Perilla, dms.....lb. .11 - .11¼
tanks .....lb. .1050- .1070
Petitgrain, Paraguay, cns...lb. 1.10 - 1.25
Pimento berry, cns.....lb. 3.75 - 4.00
leaf, cns.....lb. 2.50 - 2.60
Pine, dest.-dist.. straw-color, dms., dlvd., E. ports...gal. .52 - .55
steam-dist., dms.....gal. .60 - —
tanks .....gal. .64 - —
Pineneedle, Siberian, cns....lb. .90 - 1.00
Putty, bbls., El Segundo, Richmond, Cal..gal. .22½- —
contracts .....gal. .19½- —
Whiting, Ind.....gal. .26 - —
dms., c.l., Bost., Provid..gal. .25 - —
l.c.l., same basis.....gal. .27 - —
tanks, same basis.....gal. .18 - —
Martinez, Cal.....gal. .28 - —

Oil, Rapeseed—Plaster, Paris

Oil, rapeseed, blown, bbls.....lb. .14 - .14¼
denat.. bbls.....gal. .95 - —
Red. dist. or saponif., bbls., dlvd..lb. .11⅝- .12⅝
dms., dlvd.....lb. .11½- .12½
tanks, dlvd.....lb. .10⅝- —
white, dms.....lb. .13½- .14½
Rose, artif., bots.....oz. 2.00 - 8.00
natural, coppers.....oz. 5.25 -22.50
Rosemary, Spanish, cns.....lb. .55 - .70
dms.....lb. .50 - .65
Rosin, 1st, rectfd., dms....gal. .58 - .60
2d rectfd., dms.....gal. .60 - .62
3d rectfd., dms.....gal. .64 - .66
Rue, bots.....lb. 2.15 - 2.20
Sage, cns.....lb. 1.65 - 1.70
Sandalwood, Australia, cns..lb. 4.50 - 5.00
E.I., USP, cns.....lb. 5.25 - 5.50
Sardine, crude, tanks, Pac. Cst., gal. .45 Nom.
refd., alkali, dms.....lb. .0940- —
tanks.....lb. .0840- —
kettle-bodied, dms.....lb. .1040- —
light, pressed, dms.....lb. .0880- —
tanks.....lb. .0780- —
Sassafras, artif., cns.....lb. .41 - .42
dms.....lb. .39 - .40
natural, cns., dms.....lb. .90 - 1.05
Savin, cns.....lb. 1.50 - 1.60
Savory, cns.....lb. 3.15 - 3.20
Sesame, dom., refd., white, dms. lb. .11½ Nom.
Shingle stain, bbls., c.l., works, gal. .18 - —
l.c.l., works.....gal. .14 - —
tanks, works.....gal. .14 - —
Snakeroot, Canada, cns....lb.10.00 -11.00
Soybean, dom., crude, dms..lb. .1010- .1050
tanks.....lb. .0950- —
refd., dms.....lb. .1110- .1150
tanks.....lb. .1050- .1090
Spearmint, USP, cns.....lb. 1.90 - 2.00
Sperm, bleach, 38°, dms.....lb. .1000- .1020
45°, dms.....lb. .0930- .0950
natural, dms.....lb. .0880- .0900
Spruce, cans.....lb. 1.05 - 1.10
Sweet birch, North, cns.....lb. 3.60 - 3.75
South, cns.....lb. 1.65 - 2.00
Tallow, acidless, bbls.....lb. .12½- —
tanks.....lb. .12 - —
Tansy, cns.....lb. 3.75 - 4.00
Tar, commi., dms., c.l., dlvd. E. cities..gal. .26 - —
E. ports.....gal. .25 - —
l.c.l.....gal. .26 - —
tanks, dlvd. E. cities....gal. .20 - —
rectfd., USP, bbls., dlvd. E. ports..gal. .50 - —
Tar acid (see T)
Teaseed, crude, dms.....lb. .09¼- .09½
refined, dms.....lb. .12¼- .12½
Thyme, NF, red, dms.....lb. .85 - 1.25
white, dms.....lb. .85 - 1.40
Tung (see Oil, chinawood).
Turkey red (see Oil, castor, sulphonated).
Turpentine (see T)
Turtle, cns.....gal. 4.25 - 5.00
Valerian, bots.....lb.12.00 -14.00
Vetiver, bots.....lb. 9.00 -16.50
Walnut, crude, dms.....lb. .13 Nom.
refd., dms.....lb. .14 Nom.
Whale, refd., natural, dms..lb. .1050- .1070
winter, bleach, dms.....lb. .1090- .1110
Wheat germ, cns., dms....gal.27.50 -30.00
White mineral, dom., tech., 50-60 vis., dms.....gal. .42 - .44
65-75 vis., dms.....gal. .44 - .46
80-90 vis., dms.....gal. .45 - .47
U.S.P., 80-90 vis., dms.gal. .54 - .56
95-105 vis., dms.....gal. .63 - .65
125-135 vis., dms.....gal. .75½- .77½
140-150 vis., dms.....gal. .76½- .78½
175-185 vis., dms.....gal. .78½- .80½
200-210 vis., dms.....gal. .80 - .82
320-330 vis., dms.....gal. .85½- .87½
335-345 vis., dms.....gal. .87 - .89
Russian, 80-90 vis., dms. gal. .54- —
145-155 vis., dms.....gal. .74½- —
175-185 vis., dms.....gal. .76½- —
335-345 vis., dms.....gal. .85 - —
Wintergreen, natural, North, cns..lb. 4.00 - 8.00
South, cns.....lb. 3.35 - 3.75
synth. (see Methyl salicylate).
Wood (see Oil, chinawood).
Wormseed, cns.....lb. 2.70 - 2.75
Wormwood, cns.....lb. 2.90 - 3.00
Ylang-ylang, Bourb., bots., cns. lb. 3.50 - 6.00
Manila, bots.....lb.18.00 -24.00
Opium, USP, cns.....lb.11.50 -12.50
gran., cns.....lb.12.50 -13.50
powd., cns.....lb.12.50 -13.50
Orange, chrome (see Yellow, chrome).
Lake, Persian, bbls.....lb. .30 - .45
Mineral, Amer., bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash...lb. .11¾- —
dlvd., Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash....lb. .12¼- —
Colo., Mont., N.M., Wyo. lb. .12 - —
Other points.....lb. .11½- —
smaller lots, dlvd. Ala., etc..lb. .12¼- —
Ariz., etc.....lb. .12¾- —
Colo., Mont., N. M., Wyo..lb. .12½- —
Other points.....lb. .12 - —
French, Tours, csks., ex dock..lb. .17 - —
kgs., ex dock.....lb. .18½- —
Molybdate, bbls.....lb. .31 - —
Peel, bitter, bls.....lb. .08 - .09
Sweet, bls.....lb. .10 - .11
Toner, bbls.....lb. .80 - —
Orangeflower petals, cs.....lb. .35 - .40
Orris root, Florentine, bgs....lb. .08 - .09
fingers, cs.....lb. .90 - .95
powd., bbls., bxs.....lb. .12 - .13
Verona, bls.....lb. .08 - .09
powd., bxs, cs.....lb. .11 - .12
Orthoanisidin, bbls.....lb. .70 - .74
Orthochloroanilin, dms.....lb. .60 - .75
Orthochlorophenol, dms.....lb. .35 - .75
Orthocresol, dms., c.l., works..lb. .13½- —
l.c.l., same basis.....lb. .14½- —
Orthodichlorobenzene, dms, c.l., works, frt. alld. E. of Rockies..lb. .06 - —
l.c.l., dms., same basis...lb. .07 - —
100 lb. tins, same basis..lb. .08 - —
50 lb. tins, same basis..lb. .09 - —
tanks, same basis.....lb. .05½- —
Orthodichlorobenzene prices west of Rockies 1c. per lb. higher.
Othonitroanilin, dms.....lb. .55 - —
Orthonitrochlorobenzene, kgs..lb. .28 - .29
Orthonitroparachlorophenol,cns.lb. .70 - .75
Orthonitrotoluene, dms.....lb. .07 - —
Orthotoluene sulphonate, kgs..lb. 2.00 - 2.05
Orthotoluidin, dms.....lb. .14 - —
Osage orange extract, cryst.,bbls. lb. .17 - .19
liquid, 51°, bbls.....lb. .07 - .08
Oxyquinolin sulphate, cns., 100-lbs., works..lb. 3.50 - —
bots., cns., 1-50 lbs.....lb. 3.65 - 4.00

P

Papain, pewd., cs.....lb. 1.25 - 1.30
Paprika, Hungarian, extra fancy, bgs..lb. .22 - .22½
medium, bgs.....lb. .20½- .21
Spanish, extra fancy, cs....lb. .27¼- .27⅝
fair, bgs.....lb. .23 - .23½
fancy, bgs.....lb. .26¼- .26½
medium, bgs.....lb. .25 - .25½
Para-aminoacetanilide, krs....lb. .85 Nom.
Para-amylphenol, tertiary, dms., c.l.,works..lb. .26 - —
Parachlorophenol, dms.....lb. .30 - .45
Paracymene, rfd., dms.....gal. .75 - 1.25
Paradichlorobenzene, dms.....lb. .16 - .20
kgs.....lb. 19 - .25
Paraffin, crude, scale, white, 122-124 A.m.p., bgs., c.l., Okla., refy..lb. .03 - —
bbls., c.l., N. Y....lb. .0290- .0295
124-126 A.m.p., bgs., c.l., Okla., refy..lb. .03 - —
bbls., c.l., N. Y....lb. .0295- .03
yellow, 124-126 A.m.p., bbls., c.l., N. Y..lb. .02⅝ Nom.
fully refd., slabs, 123-125 A.m.p., bgs., c.l..lb. .0445- —
export, f.a.s., N. Y..lb. .0465- —
125-127 A.m.p., bgs., c.l..lb. .0455- —
export, f.a.s., N. Y..lb. .04¾- —
128-130 A.m.p., bgs., c.l..lb. .0480- —
export, f.a.s., N. Y..lb. .05 - —
130-132 A.m.p., bgs., c.l..lb. .0495- —
export, f.a.s., N. Y..lb. .0515- —
133-135 A.m.p., bgs., c.l..lb. .0655- —
export, f.a.s., N. Y..lb. .05¾- —
135-137 A.m.p., bgs., c.l..lb. .0580- —
export, f.a.s., N. Y..lb. .06 - —
138-140 A.m.p., bgs., c.l..lb. .0635- —
143-145 A.m.p., bgs., c.l..lb. .0790- —
refined paraffin prices in cases are ½c. lb. higher than bags price.
match, A.m.p. up to and incl. 110-112 bbls., c.l..lb. .03¼- —
semirfd., solid, 122-124 A.m.p., bgs..lb. .03¼ Nom.
Paraformaldehyde, dms., 1,000 lbs. or more shipments, f.o.b. Perth Amboy, Philadelphia, or N. Y. C..lb. .34 - —
100 to 900 lb. shipments, same basis..lb. .35 - —
Paraldehyde, tech., dms., wks.lb. .16 - .18
USP, cbys.....lb. .37 - .45
Paranitroanilin, kgs., c.l., works. lb. .45 - —
l.c.l., works.....lb. .47 - —
Paranitrochlorobenzene, kgs...lb. .23½- .24
Paranitrophenol, kgs.....lb. .35 - .37
Paranitrotoluene, kgs.....lb. .35 - —
Paraphenylenediamine, bbls...lb. 1.25 - 1.30
Paratoluenesulphonamide, bbls.lb. .70 - .75
Paratoluidin, bbls.....lb. .56 - —
Pareira brava root, bls.....lb. .14 - .15
Paris green, dealer, dms., kgs., c.l., f.o.b. N.Y., frt. all'd E. of Cleve..lb. .22 - .24
less car lot, same basis..lb. .23 - .25
Passion flower herb, bls.....lb. .06½- .07
Patchouli leaves, bls.....lb. .14 - .15
Pellitory root, bls.....lb. .16 - .17
Pennyroyal, bls.....lb. .13 - .14
Pentane, norm., 28-38°, dms., c.l., G.3..gal. .12¼- —
l.c.l., G.3.....gal. .16 - —
tanks, G.3.....gal. .08½- —
laboratory grade, dms., c.l., G.3..gal. .16 - —
l.c.l., G.3.....gal. .28 - —
Pepper, black, Alleppy, bgs...lb. .09½- .09¼
Lampong, bgs.....lb. .06 - .06¼
Tellicherry, bgs.....lb. .09½- .09⅝
Red, birdseye, bgs.....lb. .14⅝- .15⅛
new crop.....lb. No stocks.
Japanese 1, bgs.....lb. .12½- .13
Mombassa, bgs.....lb. .17 - .17½
White, Java, Muntok, bgs...lb. .09⅝- .10
Singapore, Muntok, bgs....lb. .09¼- .09⅝
Peppermint leaves, dom., bls..lb. .25 - .26
import, bls.....lb. .35 - .40
Peru balsam, dms.....lb. 1.05 - 1.10
Petrolatum, amber, bbls., c.l., lb. .02½- .03
l.c.l.....lb. .04 - .04¼
extra, bbls.....lb. .03¼- .03½
l.c.l.....lb. .04¼- .04½
cream (see white, cream)
green (see red)
red, veterinary, bbls., c.l....lb. .02½- .02⅞
l.c.l.....lb. .03⅝- —
white, cream, bbls., c.l.....lb. .03 - .03¼
l.c.l.....lb. .06½- —
lily, bbls., c.l.....lb. .06 - .06¼
l.c.l.....lb. .07¼- —
snow, bbls., c.l.....lb. .07 - .07¼
l.c.l.....lb. .08¼- —
Petroleum, crude, bulk, at wells:—
California:—
Alamitos Heights.....bbl. .74 - .95
Athens.....bbl. .84 - 1.66
Belridge.....bbl. .70 - 1.32
Buena Vista Hills.....bbl. .70 - 1.38
Coalinga.....bbl. .70 - .90
Coyote Hills (West)...bbl. .78 - 1.32
Domingues.....bbl. .79 - 1.00
East Coyote.....bbl. .76 - .96
Elk Hills.....bbl. .70 - 1.38
Elwood Terrace, f.o.b. ship..bbl. 1.28 - 1.43
Huntington Beach.....bbl. .78 - 1.22
Inglewood.....bbl. .79 - 1.27
Kern Front.....bbl. .70 - —
Kern River.....bbls. .70 - —
Kettleman Hills.....bbl. 1.19 - 1.43
La Habra.....bbl. .76 - .96
Lakeview.....bbl. .70 - 1.38
Lost Hills.....bbl. .70 - 1.32
McKittrick.....bbl. .70 - —
Midway - Sunset (except Lakeview)..bbl. .70 - 1.38
Montebello.....bbl. .77 - 1.43
Mt. Poso.....bbl. .70 - —
Mountain View.....bbl. .70 - 1.20
Newhall.....bbl. .70 - —
Olinda Brea.....bbl. .76 - 1.27
Orcutt.....bbl. .70 - .93
Playa del Rey, f.o.b. pipe-line.....bbl. .80 - 1.16
Richfield.....bbl. .76 - 1.09
Rosecrans.....bbl. .84 - 1.66
Round Mt.....bbl. .70 - —
Santa Fe Springs.....bbl. .78 - 1.42
Santa Paula.....bbl. .70 - 1.01
Seal Beach.....bbl. .79 - 1.19
Signal Hill.....bbl. .80 - 1.21
Torrence.....bbl. .80 - 1.05
Wheeler Ridge.....bbl. .70 - .88
Whittier.....bbl. .76 - .96
Canada:—
Oil Springs.....bbl. 2.17 - —
Petrolia.....bbl. 2.10 - —
Central West:—
Illinois.....bbl. 1.35 - —
Lima.....bbl. 1.25 - —
Midland (Mich.).....bbl. 1.42 - —
Princeton.....bbl. 1.35 - —
East Texas.....bbl. 1.35 - —
Gulf Coast:—
Barber's Hill.....bbl. .95 - 1.41
Batson.....bbl. .95 - 1.41
Dayton.....bbl. .95 - 1.41
Esperson.....bbl. .95 - 1.41
Goose Creek.....bbl. .95 - 1.41
Hull.....bbl. .95 - 1.41
Humble.....bbl. .90 - 1.41
Liberty.....bbl. .90 - 1.41
Markham.....bbl. .90 - 1.29
Orange.....bbl. .95 - 1.41
Pettus.....bbl. 1.37 - —
Pierce Junction.....bbl. .95 - 1.41
Petroleum, crude, bulk, at wells, Gulf Coast, Refugio..bbl. .95 - 1.41
Saratoga.....bbl. .95 - 1.41
Sazet.....bbl. .90 - 1.41
Sour Lake.....bbl. .90 - 1.41
Spindle Top.....bbl. .95 - 1.41
Sugarland.....bbl. .95 - 1.41
West Columbia.....bbl. .95 - 1.41
Kentucky, Tennessee:—
Big Sandy river.....bbl. 1.42 - —
Kentucky river.....bbl. 1.50 - —
Western Kentucky (Owensboro)..bbl. 1.40 - —
Louisiana, Arkansas:—
Bull Bayou.....bbl. .90 - 1.22
Caddo.....bbl. .90 - 1.22
Cameron Meadows....bbl. .90 - 1.30
Choctaw.....bbl. .90 - 1.30
Cotton Valley.....bbl. .90 - 1.22
Darrow.....bbl. .90 - 1.30
De Soto.....bbl. .90 - 1.22
El Dorado.....bbl. .90 - 1.22
Haynesville.....bbl. .90 - 1.22
Homer.....bbl. .90 - 1.22
Iowa.....bbl. .90 - 1.30
Lockport.....bbl. .90 - 1.30
Miller County.....bbl. .90 - 1.22
Pine Island.....bbl. .90 - 1.22
Rainbow.....bbl. .90 - 1.22
Rodessa.....bbl. .90 - 1.22
Smackover.....bbl. .90 - —
Tepetate.....bbl. 1.24 - —
Urania.....bbl. 1.02 - —
Mexico, f.o.b. terminals Mexican ports—based on contract:—
Panuco.....bbl. 1.05 - —
Tax, 15.191c. per bbl.
Tuxpan.....bbl. No Prices.
Tax, 24.713c. per bbl.
Midcontinent:—
North Texas.....bbl. .96 - 1.20
Oklahoma-Kansas....bbl. .98 - 1.30
Altus, Tipton (Okla.), bbl. .96 - 1.20
Pennsylvania, Ohio, West Virginia:—
Bradford-Allegany....bbl. 2.82 - —
Corning.....bbl. 1.42 - —
Pennsylvania grade, in Buckeye lines..bbl. 2.37 - —
Eureka lines.....bbl. 2.52 - —
S.W. Penn lines....bbl. 2.57 - —
lower district in National Transit lines.bbl. 2.77 - 2.82
Rocky Mountain:—
Big Muddy.....bbl. 1.18 - 1.23
Cannon City-Florence.bbl. 1.10 - —
Cat Creek.....bbl. 1.40 - —
Dutton Creek.....bbl. 1.06 - 1.30
Elk Basin.....bbl. 1.30 - —
Fort Collins-Wellington...obl. 1.01 - 1.25
Frannie, light.....obl. .82 - —
Grass Creek.....bbl. 1.30 - —
Greybull.....bbl. 1.30 - —
Iles.....bbl. 1.12 - 1.18
Lance Creek.....bbl. .97 - —
Midway.....bbl. 1.06 - 1.30
Rock Creek.....bbl. 1.20½- —
Salt Creek.....bbl. 1.06 - 1.30
Sunburst.....bbl. 1.20 - —
Torchlight.....bbl. 1.30 - —
South, Central and Southwestern Texas:—
Cass County.....bbl. .98 - 1.25
Cleveland-Liberty....bbl. 1.27 - —
Conroe.....bbl. 1.20 - 1.44
Darst Creek.....bbl. 1.09 - —
Duval.....bbl. 1.00 - —
Hardin-Liberty.....bbl. 1.15 - —
Luling.....bbl. 1.00 - —
Lytton Springs.....bbl. 1.12 - —
Mirando.....bbl. .96 - 1.36
Panola County.....bbl. .93 - 1.25
Salt Flat.....bbl. 1.09 - —
Tomball.....bbl. 1.20 - 1.44
Van.....bbl. 1.10 - —
Texas Panhandle:—
Carson-Hutchinson counties, bbl. .91 - 1.03
Gray County.....bbl. .96 - 1.08
West Texas:—
Artesia, N. M.....bbl. .90 - —
Crane.....bbl. .78 - 1.08
Crockett.....bbl. .78 - 1.08
Ector.....bbl. .78 - 1.08
Glasscock.....bbl. .78 - 1.08
Hogback.....bbl. 1.33 - —
Howard.....bbl. .78 - 1.08
Jackson, N. M.....bbl. .90 - —
Lea, N. M.....bbl. .78 - 1.08
Maljamar, N. M.....bbl. .90 - —
Mitchell.....bbl. .78 - 1.08
Pecos.....bbl. .91 - —
Upton.....bbl. .78 - 1.08
Winkler.....bbl. .78 - 1.08
Ether, 30-60°, dms., c.l., G. 3. gal. .14 - —
l.c.l., G.3.....gal. .17 - —
tanks, G.3.....gal. .13 - —
55-60°, dms., l.c.l., G.3....gal. .35 - —
40-75° dms., c.l., G.3.....gal. .14 - —
l.c.l., G.3.....gal. .16 - —
tanks, G3.....gal. .13 - —
laboratory grade, dms., c.l., G.3..gal. .16 - —
c.l., G.3.....gal. .25 - —
10 gal. lots, G.3.....gal. .50 - —
Lacquer, diluent, at refinery:—
California 60,169 i.b.p., 393 e.p., tanks, delvd. Los Angeles..gal. .11 - —
San Francisco..gal. .11½- —
f.o.b. Richmond..gal. .11½- —
Willbridge, Ore.; Pt. Wells, Wash..gal. .12 - —
East Coast, tanks....gal. .12 - .12½
Group 3, tanks.....gal. .08⅝- .08⅞
Naphtha, cleaners, at refinery:—
East Coast, tanks.....gal. .10 - —
Group 3, tanks.....gal. .07⅝- .07⅞
tankwagon, Boston, ex-tax, gal. .13 - —
Bridgeport.....gal. .13½- —
Chicago, inc. 4c. tax...gal. .171 - —
Decatur, inc. 4c. tax...gal. .19 - —
Des Moines, inc.4c. tax.gal. .188 - —
Evansville, inc. ex tax.gal. .14½- .15½
Milwaukee, inc. 5c. tax, gal. .203 - —
Minneapolis-St. Paul, inc. 5c. tax..gal. .204 - —
Newark, ex tax.....gal. .12 - —
New York, ex tax....gal. .12 - —
Omaha, ex tax.....gal. .144 - .154
Oklahoma City, ex tax.gal. .16 - —
Philadelphia, ex tax...gal. .11½- —
St. Louis, inc. 1c. tax.gal. .157 - —
Syracuse, 150 gals.....gal. .14 - —
smaller lots, galv. drums, gal. .16 - —
milk cans.....gal. .21 - —
high solvency, aromatic 8, tanks, frt. alld. within 100 mi. radius of Paulsboro, N. J..gal. delivery beyond 100 mi., f.o.b. Paulsboro, frt. equald nearest comp. pt...gal. .17 - —
.16¼- —
30, same basis.....gal. .18¼- .19
40, same basis.....gal. .14½- .15½
hydrogenated, 1, tanks, f.o.b. Bayway, frt. equaled nearest comp. pt..gal. .16 - —
2, same basis.....gal. .18 - —
3, same basis.....gal. .16 - —
4, same basis.....gal. .19 - —
Petroleum, naphtha, V.m. & p., at refinery:—
California, 46.5, 254 i.b.p., 350 e.p., tanks, f.o.b. El Segundo..gal. .11 - —
Richmond.....gal. .11½- —
Willbridge, Ore., Pt. Wells, Wash..gal. .12 - —
54-57, 190 i.b.p., 310 e.p. tanks, dlvd. Los Angeles..gal. .10 - —
San Francisco..gal. .10¼- —
Portland, Seattle..gal. .11 - —
East Coast, tanks.....gal. .11 - —
Group 3, tanks.....gal. .07⅝- .07⅞
tankwagon, Boston, ex tax. gal. .13 - .14
Chicago, inc. 4c. tax..gal. .161 - —
Decatur, inc. 4c. tax..gal. .19 - —
Des Moines, inc. 4c. tax.gal. .188 - —
Evansville, Ind.,ex tax.gal. .147 - .157
Milwaukee, inc. 5c.tax.gal. .203 - —
Minneapolis-St. Paul, inc. 4c. tax..gal. .204 - —
Newark, ex tax.....gal. .13½- —
New York, ex tax.....gal. .12½- —
Omaha, ex tax.....gal. .144 - .154
Philadelphia, ex tax...gal. .13 - —
St. Louis, inc. 1c. tax.gal. .157 - —
Solvent, rubber, at refinery, East Coast, tanks..gal. .10 - —
Group 3, light, 120 i.b.p., 250 e.p., tanks..gal. .07⅝- .07⅞
standard, 180 i.b.p., 388 e.p., tanks, gal. .07⅝- .07⅞
Stoddard (CS 3-28), at refinery:—
East Coast, tanks.....gal. .10 - —
Group 3, tanks.....gal. .06⅝- .07⅛
tankwagon, Boston, ex tax. gal. .12½- .13½
Chicago, inc. 4c. tax...gal. .155 - —
Decatur, inc. 4c. tax..gal. .18 - —
Des Moines, inc. 4c.tax.gal. .178 - —
Evansville, Ind., ex tax.gal. .135 - .145
Milwaukee, inc. 5c. tax, gal. .193 - —
Minneapolis-St. Paul, inc. 5c. tax..gal. .18 - —
Newark, ex tax.....gal. .11½- —
New Orleans, ex tax..gal. .11 - —
New York, ex tax.....gal. .11½- —
Oklahoma City, ex tax.gal. .12 - .13
Omaha.....gal. .131 - .141
Philadelphia, ex tax...gal. .11¼- —
St. Louis, inc. 1c. tax.gal. .146 - —
Tulsa, ex tax.....gal. .10 - .11
thinner, at refinery:—
California, 34, 325 i.b.p., 390 e.p., low anilin, tanks f.o.b. Los Angeles....gal. .14 - —
Portland, Ore.....gal. .15 - —
Richmond.....gal. .13½- —
Seattle, Wash.....gal. .15½- —
44, 311 i.b.p., 385 e.p., tanks, f.o.b. Point Wells, Wash.; Willbridge, Ore. gal. .10¼- —
Richmond.....gal. .10 - —
Southern Calif....gal. .09¼- —
56, 200 i.b.p., 300 e.p., tanks, f.o.b. El Segundo..gal. .11 - —
Portland, Ore.....gal. .12 - —
Richmond.....gal. .11¼- —
Seattle, Wash....gal. .12 - —
East Coast, 43-47, tanks.gal. .10 - —
47-49, tanks.....gal. .10 - —
Group 3, tanks.....gal. .06⅝- .06⅞
Pennsylvania, tanks.....gal. .08¾- —
tankwagon, tax included:—
Albany.....gal. .13 - —
Baltimore (100 gals.)..gal. .12¼- .15½
25-99 gals.....gal. .13½- .15½
Boston.....gal. .12¼- .13½
Bridgeport, Conn.....gal. .13 - —
Buffalo.....gal. .12½- —
Camden, N. J.....gal. .115 - .135
Chicago.....gal. .158 - —
Decatur, Ill.....gal. .18 - —
Des Moines.....gal. .178 - —
Evansville, Ind.....gal. .137 - .147
Milwaukee.....gal. .193 - —
Minneapolis-St. Paul..gal. .194 - —
Newark.....gal. .11½- .13½
New York (1,000 gals.). gal. .11 - —
smaller lots.....gal. .11½- .12
Omaha.....gal. .131 - .141
Philadelphia.....gal. .115 - .135
Pittsburgh.....gal. .12 - .14
Providence.....gal. .12½- .13½
Rochester.....gal. .12 - .16
St. Louis.....gal. .147 - —
Syracuse.....gal. .14 - —
Trenton.....gal. .11½- .14
Wilmington, Del.....gal. .11½- .13½
Phenobarbital, bots., 5 lbs....lb. 4.85 - —
bots. or cns., spot or contract, 100 lbs..lb. 4.50 - —
cns., 25 lbs.....lb. 4.75 - —
Phenol, USP, dms., c.l., works, frt. equald..lb. .13¼- .14¼
l.c.l., same basis.....lb. .14 - .15
tanks, works.....lb. .12¾- —
tins, c.l., same basis.....lb. .14¼- .15¼
l.c.l., same basis.....lb. .15 - .16
Phenolphthalein, USP, bbls.,dms. 2,000-lb. lots..lb. .85 - —
bbls., dms., kegs, 100-250 lbs. lb. .87 - .89
yellow, fib., dms., 2,000-lb. lots. lb. .80 - —
100-lb. fib. dms.....lb. .82 - —
25-lb. dms.....lb. .87 - —
50-lb. kgs.....lb. .84 - —
Phenyl chloride, dms.....lb. .17 - —
Phenylacetadehyde, bots.....lb. 2.25 - 3.50
Phenylhydrazin hydrochloride,CP, bots., works..lb. 3.30 - 5.10
commercial, kgs., works...lb. 3.30 - 6.50
pure, bots., works.....lb. 2.95 - 3.25
Phloroglucinol, CP, tins,works.lb.20.00 -22.00
tech., tins, works.....lb.15.00 -16.50
Phosphate rock, Fla., high-grade, hard, 77% basis, 76% min., bulk, mines..long ton. 4.35 - —
land pebble, 68% min., bulk, mines..long ton. 1.85 - —
70% min., bulk, mines.... long ton. 2.35 - —
72% min., bulk, mines..... long ton. 2.85 - —
75% basis, 74% min., bulk, mines..long ton. 3.85 - —
Tenn., 72%, bulk, mines..... long ton. 4.50 - —
75%, bulk, mines...long ton. 5.50 - —
Phosphorus, red, cs.....lb. .40 - .44
Yellow, cs.....lb. .24 - .30
Oxychloride, cyls.....lb. .15 - .18
Sesquisulphide, cs.....lb. .38 - .42
Trichloride, cyls.....lb. .15 - .18
Phthalic anhydride, dms., c.l., works, frt. alld. E. of Miss. R..lb. .14½- —
l.c.l., same basis.....lb. .15½- —
Pichi leaves, bgs.....lb. .08 - .10
Pilocarpine hydrochloride, bots., vls..oz. 2.50 - 2.75
Nitrate, bots., vis.....oz. 2.40 - 2.65
Pimento, bgs.....lb. .12 - .12¼
Pinkroot, bls.....lb. .40 - .45
Pitch, Burgundy (see B)
Coaltar, 160° m.p., bbls., c.l., works..ton.19.00 - —
l.c.l.....ton.22.00 - —
Hardwood, 1-time, dm., c.l., dlvd. Akron..ton.21.50 -22.50
f.o.b. works.....ton.16.00 - —
Linseed, dms.....lb. .04¾- .05¼
Petroleum (see Asphaltum, Mexican, Texas).
Pine, bbls.....bbl. 6.00 - 6.50
Plaster of paris (see Gypsum).

Pleurisy root, bls.	lb.	.12 - .18
Podophyllin, fib., dms., 100 lbs.	lb.	3.60 - —
cns., 25 lbs.	lb.	3.85 - —
Poke root, bls.	lb.	.06½- .07
Pomegranate bark, bgs.	lb.	.18 - .19
Root bark, bgs.	lb.	.40 - .41
Poppy flowers, red, bls.	lb.	.40 - .42
Seed, Dutch, bgs.	lb.	.07½- .07¾
Polish, bgs.	lb.	.07½- .07¾
Potash acetate, USP, fib., dms., 350 lbs.	lb.	.28 - —
Arsenite, USP, solut., cbys., 100 lbs.	lb.	.11 - —
demj., 50 lbs.	lb.	.12 - —
Bicarbonate, USP, cryst., bbls., 300 lbs.	lb.	.18 - —
kgs., 100 lbs.	lb.	.20 - —
gran., bbls., 250 lbs.	lb.	.18 - —
kgs., 100 lbs.	lb.	.20 - —
Bichromate, spot, c.l., works..	lb.	.08¾- —
6 casks or 10 bbls., or over, works.	lb.	.08¾- —
5 casks or 9 bbls. or less, works.	lb.	.09 - —
Binoxalate, dms.	lb.	.23 - —
Bisulphate, kgs.	lb.	.15½- .18
Bromide, U.S.P., gran., bbls., 500 lbs.	lb.	.31 - —
fib., dms., 100 lbs.	lb.	.32 - —
Carbonate, calc., dms., c.l., works.	lb.	.06½- —
l.c.l., same basis.	lb.	.06¾- —
hydrated, 83-85%, bbls., c.l., works—lb.		.06½- —
l.c.l., same basis.	lb.	.06¾- —
liquid, dms., c.l., dlvd.	lb.	.02¾- —
l.c.l., 10 dms. or over.	lb.	.03¼- —
less than 10 dms.	lb.	.03½- —
tanks, dlvd.	lb.	.02¾- —
USP, gran., bbls., 325 lbs.	lb.	.14 - —
kgs., 100 lbs.	lb.	.16 - —
powd., bbls., 325 lbs.	lb.	.19 - —
kgs., 100 lbs.	lb.	.21 - —
Caustic, flake, 88-92%, dom., dms., c.l., works.	lb.	.07 - —
l.c.l.	lb.	.07¼- .07½
import., dms.	lb.	.07 - .07½
liquid, 45% basis, dms.	lb.	.03¼- .03½
tanks	lb.	.02¾- —
solid, 88-92%, dom., dms., c.l., works.	lb.	.06¼- —
l.c.l.	lb.	.06½- .06¾
import., csks.	lb.	.06¼- .06¾
Chlorate, cryst., kgs.	lb.	.09¼- .09½
gran., kgs.	lb.	.12 - .13
powd., kgs.	lb.	.08½- .08¾
Chloride, tech., 98%, cryst., bgs., kgs.	lb.	.04 - .06
Chromate, kgs.	lb.	.19 - .28
Citrate, USP, gran., bbls., 250 lbs.	lb.	.35 - —
kgs., 100 lbs.	lb.	.36 - —
cns., 50 lbs.	lb.	.37 - —
cns., 25 lbs.	lb.	.39 - .40
Cyanide, cns., dms.	lb.	.55 - .60
Glycerophosphate, 75%, sol., dms., 1,000-lb. lots.	lb.	1.15 - —
smaller lots.	lb.	1.30 - —
cns., 25 lbs.	lb.	1.40 - —
Guaiacolsulphonate, fib., dms., 100 lbs.	lb.	1.65 - —
cns., 25 lbs.	lb.	1.75 - —
Hydroxide, USP, sticks, cns., 110 lbs.	lb.	.30 - —
Hypophosphite, cns., 100 lbs.,	lb.	.72 - —
25 to 50 lbs.	lb.	.75 - —
Iodate, bbls., bots., 5 lbs.	lb.	3.17 - —
cns., 25 lbs.	lb.	3.05 - —
Iodide, bbls., 250 lbs.	lb.	.93 - —
bots., or cns.	lb.	1.02 - 1.28
dms.	lb.	.95 - .96
Kainit, 20% K_2O, bulk, c.l.f. ports.	ton.	12.75 - —

Prices for potash kainit, manure salt, muriate, sulphate and potash magnesia-sulphate are subject to discount according to time orders are placed and time of delivery. See fertilizer market report for particulars.

Manure salt, dom., run of mine, approx. 30% K_2O, bulk, c.l.f. ports, unit-ton.		.58½- —
import., 30% K_2O, bulk, shipt. unit-ton.		.58½- —
Metabisulphite, kgs.	lb.	.11 - .12
Muriate, dom., all strengths, min. 50% K_2O, bulk. unit-ton.		.53½- —
import, all strengths, min. 80% KCl, basis 50% K_2O, bulk, c.l.f. ports.	unit-ton.	.53½- —

Potash muriate prices in bags are $2 ton higher than bulk price.

Oxalate, pure, cryst., kgs.	lb.	.20 - .21
tech., bbls.	lb.	.23 - .26
Perchlorate, kgs., works.	lb.	.09 - .11
Permanganate, tech., dms.	lb.	.18½- .19
Prussiate, red, bbls.	lb.	.35 - .37
Yellow, bbls.	lb.	.15 - .16
Silicate alkaline, lump, bags.	lb.	.07 - —
Sulphate, NF, cryst., bbls., 400 lbs.	lb.	.13 - —
kgs., 100 lbs.	lb.	.15 - —
powd., bbls., 350 lbs.	lb.	.14 - —
kgs., 100 lbs.	lb.	.16 - —
tech., 90-95%, min. 90%, bgs., shipt., c.i.f. ports.	ton.	38.00 - —
Vegetable, bulk, f.o.b. Balto.	ton.	19.97 Nom.
Xanthate, dms., c.l.	lb.	.13 - —
l.c.l.	lb.	.13½- —
Potash-magnesia sulphate, 48-53%, min. 48%, bgs., shipt.	ton.	25.75 - —
Potash-titanium oxalate, kgs.	lb.	.33 - .35
Prickly ash bark, bls.	lb.	.11½- .16
Berries, bls.	lb.	.15 - .16
Prince's pine herb, bls.	lb.	.18 - .20
Propane, tanks, G.S.	gal.	.03 - .04¼
Psyllium seed (see Fleaseed).		
Pulsatilla, bls.	lb.	.18 - .19
Pumice stone, Italian, Amer.-grd., 4F, 3F, 2F, 1½F, and coarser, bbls., 3 or over, works.	lb.	.02 - —
less than 3, works.	lb.	.02½- —
F and 1, bbls., 3 or over, works.	lb.	.03½- —
less than 3, works.	lb.	.04 - —
0, 0-½, 0-¾, and ½, bbls., 3 or over, works.	lb.	.04 - —
less than 3, works.	lb.	.04½- —
Ital.-grd., bgs., c.l., shipt. ex dock N.Y.	ton.	32.85 Nom.
l.c.l., 5-29 tons, ex whse.	ton.	37.70 - —
1,000-10,000 lbs., ex whse.	ton.	38.70 - —
2 bgs. to 1,000 lbs., ex whse.	ton.	40.70 - —
single bgs., ex whse.	ton.	45.70 - —
Pumpkin seed, bgs.	lb.	.11 - .14
Purple lake (see Red).		
Putty, com'l., dms., 1,000 lbs.	100 lbs.	2.90 - —
500-999 lbs.	100 lbs.	3.10 - —
100-499 lbs.	100 lbs.	3.25 - —
linseed oil, raw, dms., 1,000 lbs.	100 lbs.	4.65 - —
500-999 lbs.	100 lbs.	4.85 - —
100-499 lbs.	100 lbs.	5.00 - —
refined, dms., 1,000 lbs.	unit-ton.	5.15 - —
500-999 lbs.	100 lbs.	5.35 - —
100-499 lbs.	100 lbs.	5.50 - —
standard, dms., 1,000 lbs.	100 lbs.	3.65 - —
500-999 lbs.	100 lbs.	3.85 - —
100-499 lbs.	100 lbs.	4.00 - —
Pyrethrum concentrate, liq. (20 to 1), basis 2.4% pyrethrins (Seil test) 55 gal. dms. (incl.), frt. alld. E. of Rockies, standard brand.	gal.	4.25 - 4.50
basis, 3.6% pyethrins, 55 gal. dms. (incl.) frt. alld. E. of Rockies, standard brand.	gal.	6.37 - 6.75
Pyrethrum flowers, coarse, grnd. (g.f.p.), Japan, bgs., frt. alld., 15 tons or over,	lb.	.14¾- —
fine powd. Japan, bbls., ton lots, frt. alld.	lb.	.17¾- —
Pyridin, denaturing, dms.	gal.	1.55 - —
refd., 2° dms.	lb.	.45 - —
Pyrites, Spanish, bulk, c.l.f. Atl. ports.	unit-ton.	.12-.13 Nom.
Pyrocatechin, CP, cryst., works, fib, dms., tins.	lb.	2.15 - 2.40
resublimed, fib. dms., tins.	lb.	4.00 - —
Pyroxylin scrap, amber, cs., works.	lb.	.15 - —
black, cs., works.	lb.	.10 - —
China white, ivory, cs., works.	lb.	.16 - —
dense white, cs., works.	lb.	.12 - —
gray, cs., works.	lb.	.10 - —
mixed, mottles, opaque, cs., works.	lb.	.04 - —
shell-demi, cs., works.	lb.	.12 - —
translucent pastels, cs., works.	lb.	.10 - —
transparent, cs., works.	lb.	.20 - —
colors, cs., works.	lb.	.12 - —
shavings, amber, cs., works.	lb.	.16 - —
colors, mixed, cs., works.	lb.	.10 - —
white, cs., works.	lb.	.15 - —

Q

Quassia, chips, bls.	lb.	.06 - .07
Quebracho extract, liquid, 35% tan., bbls., works.	lb.	.03½- —
tanks, works.	lb.	.03 - —
solid, 63%, bgs., c.l., ex dock, plus duty.	lb.	.04 - —
clarified, 64%, bgs., c.l., same basis.	lb.	.04¼- —
Queen of the meadow herb, bgs.	lb.	.06 - .07
Root, bgs.	lb.	.06 - .07
Quercitron, extract, liquid, 51°, bbls.	lb.	.06 - .08
solid, dms.	lb.	.10 - .12
Quicksilver, dom., flasks (76 lbs. net), dlvd., N. Y.	flask.	97.00 -99.00
Quince seed, bgs.	lb.	.75 - 1.50
Quinidine, cryst., small, cns.	oz.	.96 - —
large, cns.	oz.	.98 - —
powd., precip., cans.	oz.	.91 - —
Sulphate, cns.	oz.	.87 - —
Quinine, 100 ozs., cns.	oz.	.74 - —
Acetate, cns.	oz.	.98 - —
Arsenate, cns.	oz.	.98 - —
Arsenite, cns.	oz.	1.00 - —
Bisulphate, cns.	oz.	.53 - —
Citrate, cns.	oz.	.71 - —
Dihydrobromide, bots.	oz.	.74 - —
Dihydrochloride, bots.	oz.	.74 - —
Ethylcarbonate, cns.	oz.	.74 - —
Ferrocyanide, cns.	oz.	1.00 - —
Formate, cns.	oz.	.93 - —
Glycerophosphate, cns.	oz.	1.13 - —
Hydrochloride, cns.	oz.	.66¾- —
Hydrochlorosulphate, cns.	oz.	.74 - —
Hydroiodide, cns.	oz.	.98 - —
Hypophosphite, cns.	oz.	.98 - —
Phosphate, cns.	oz.	.81 - —
Quinine, salicylate, cns.	oz.	.72 - —
Sulphate, U.S.P. X, cns.	oz.	.53 - —
U.S.P. XI, cns.	oz.	.59½- —
Sulphocarbolate, cns.	oz.	.96 - —
Tannate, cns.	oz.	.57 - —
Tartrate, cns.	oz.	.96 - —
Valerate, cns.	oz.	.93 - —
Quinine-urea hydrochloride cns.	oz.	.74 - —

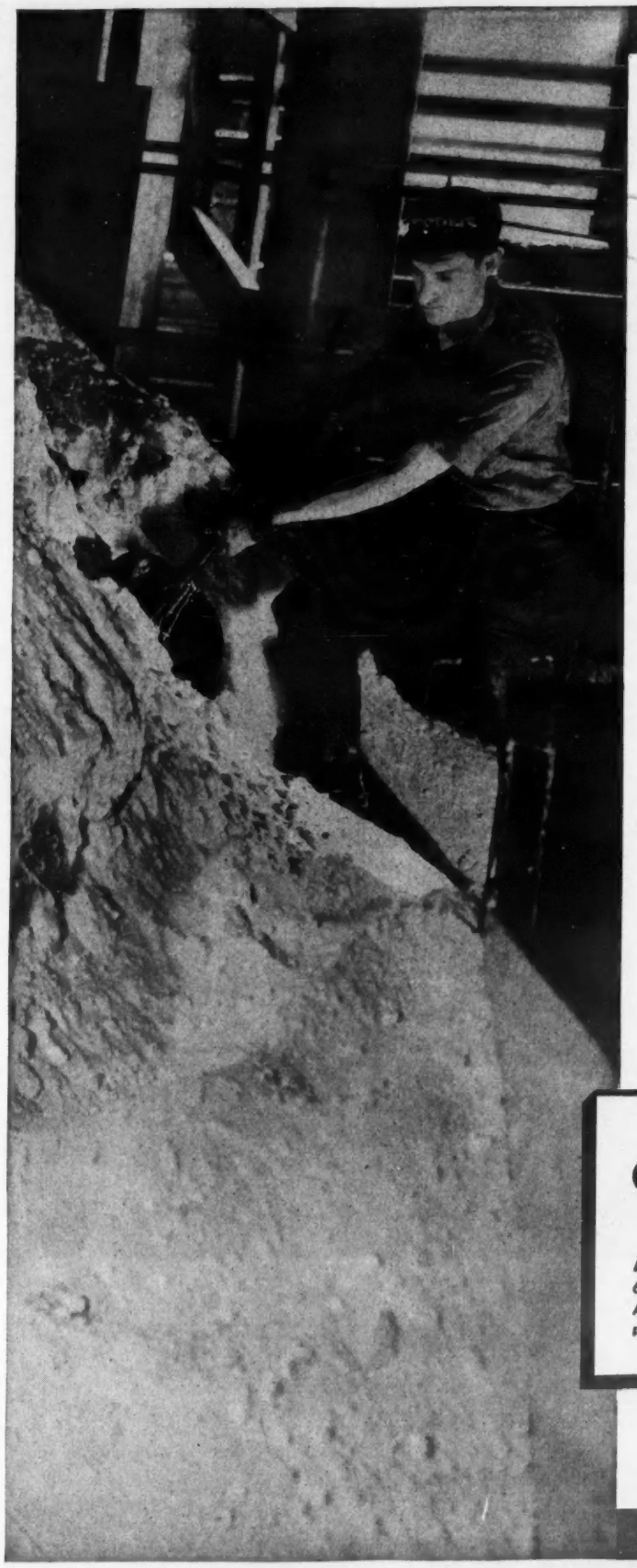
R

R salt, bbls.	lb.	.52 - .55
Rapeseed, Belgian, bgs.	lb.	.06 - .06½
Dutch, bgs.	lb.	.06¼- .06¾
Japanese, bgs.	lb.	.06 - .06½
Raspberries, dried, bbls.	lb.	.85 - .90
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N.C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis.	lb.	1.10 - —

Alizarin lake prices are ½c. higher dlvd. Ala., Fla., Ga., Ia. (Shreveport 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Amaranth (see Red, maroon, lake)		
Cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld.	lb.	.85 - —
smaller lots, same basis,	lb.	.90 - —
kgs., ton lots, same basis,	lb.	.90 - —
smaller lots, same basis.	lb.	.95 - —

Pleurisy Root—Red, Cadmium



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in this new era of improvement can be achieved only when your sources of supply are as modern and progressive as you are. Niagara, pioneer producer of Caustic Potash, has for many years worked hand-in-hand with the glass and ceramic industries and assumes the responsibility that only advanced knowledge and experience can bring. For sound growth make Niagara your headquarters.

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Niagara

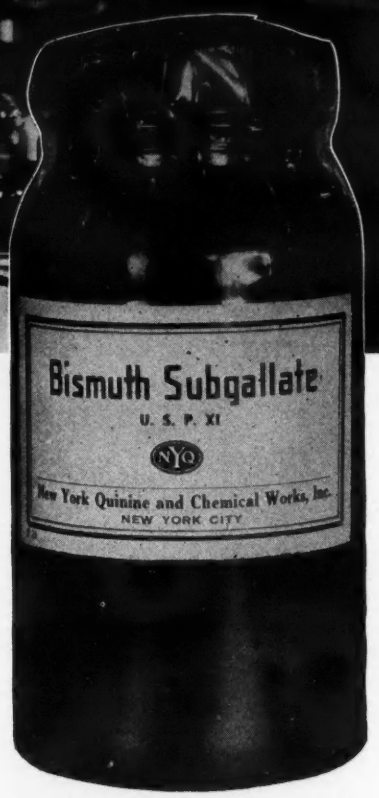
ALKALI COMPANY

60 East 42nd [illegible] York, N. Y.

Associated with [illegible] Gas Company, Pioneer Manufacturers of Liquid Chlorine

Manufacturers of

Bismuth Subcarbonate
Bismuth Subgallate
Bismuth Subnitrate and other Bismuth Salts
Brucine Alkaloid
Brucine Sulfate
All Salts of Cinchona Alkaloids
Codeine Alkaloid
Codeine Phosphate
Codeine Sulfate
Iodine Resublimed
Iodoform
Menthol-Y
Morphine Alkaloid
Morphine Sulfate
Opium Gum (*Gran. and Powd.*)
Potassium Iodide (*Cryst.-Gran.-Powd.*)
Quinine Sulfate and other Quinine Salts
Strychnine Alkaloid
Strychnine Sulfate
Thymol Iodide



Chemicals for every purpose for over half a century. For purity always specify N.Y.Q. on your orders. Price list will be sent on request.

THE NEW YORK QUININE & CHEMICAL WORKS INC.
GENERAL OFFICES
99-117 North Eleventh Street, New York, Borough of Brooklyn
ST. LOUIS DEPOT, 915 MARKET STREET, ST. LOUIS, MO.
NYQ NYQ

Red, cadmium, lithopone, light shade, bbls., ton lots, same basis..lb. .70 - —
smaller lots, same basis, lb. .75 - —
kgs., ton lots, same basis, lb. .75 - —
smaller lots, same basis, lb. .80 - —
light-medium shade, bbls., ton-lots, same basis..lb. .75 - —
smaller lots, same basis, lb. .80 - —
kgs., ton-lots, same basis, lb. .80 - —
smaller lots, same basis, lb. .85 - —
maroon shade, bbls., ton lots, same basis..lb. .95 - —
smaller lots, same basis, lb. 1.00 - —
kgs., ton lots, same basis, lb. 1.00 - —
smaller lots, same basis, lb. 1.05 - —
medium shade, bbls., ton lots, same basis..lb. .80 - —
smaller lots, same basis, lb. .85 - —
kgs., ton lots, same basis, lb. .85 - —
smaller lots, same basis, lb. .90 - —
selenide, bbls., ton lots, works. 2.00 - —
smaller lots, works.....lb. 2.50 - —
Orange, bbls., ton lots, works..lb. 1.50 - —
smaller lots, works....lb. 1.75 - —
Carmine, 40, cns., 500 lbs....lb. 4.00 - —
100 lbs. .....lb. 4.15 - —
11 lbs. .....lb. 4.40 - 4.50
Crocus martis (see Red, purple oxide).
Eosin, toner, blue shade, bbls. lb. 1.55 - —
yellow shade, bbls.....lb. 1.40 - —
Indian, pure, bbls., f.o.b Bethlehem, Easton, E. St. Louis, N. Y..lb. .08¾- —
80%-85%, bbls., same basis.lb. .07¼- —
Iron oxide (see Red, oxide).
Lake C toner, bbls., same basis alizarin lake, contracts.lb. 1.25 - —
open order.....lb. 1.30 - —
Lithol toner, bbls., same basis alizarin lake, contracts.lb. .75 - —
open order.....lb. .80 - —
Lithol-rubin toner, bbls., same basis alizarin lake..lb. 1.50 - —
Maroon lake, 25%, kgs., same basis alizarin lake, contracts, lb. .40 - —
Oxide (see Red, purple oxide).
Mercury oxide, tech., dom.... bbls. 1.59 - 1.60
Metallic, bbls., Pa., works..lb. .02 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works, lb. .08½- —
l.c.l., works.....lb. .09¾- —
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, New Castle, N. Y..lb. .08¼ —
80% copperas oxide, bbls., same basis..lb. .07¾- —
Para toner, concent., kegs, same basis alizarin lake, contracts..lb. .75 - —
open order..lb. .80 - —
Persian Gulf oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, N.Y..lb. .04½- —
ex whse., Chicago, St. Louis..lb. .05¾- —
San Fran., Los Ang., Portland, Seattle..lb. .05 - —
Phosphotungstic Rhodamine Y, bbls..lb. 3.50 - —
Purple lake, kgs.....lb. .60 - 1.00
Oxide, bbls., f.o.b. Bethlehem, Easton, E. St. Louis..lb. .08 - —
Toner, kgs.....lb. 1.50 - 2.00
Rose lake, bbls.....lb. .20 - .30
Pink, bbls.....lb. .15 - .20
Scarlet ink toner, kgs., same basis alizarin lake..lb. .45 - —
Lake, kgs., same basis alizarin lake..lb. .25 - .30
Spanish oxide, bbls., dlvd...lb. .03¾- —
Toluidin toner, kgs., same basis alizarin lakes..lb. 1.35 - —
Tuscan, 1, bbls., f.o.b. N. Y., E. St. Louis..lb. .25½- —
2, bbls., same basis.....lb. .30½- —
3, bbls., same basis.....lb. .28½- —
4, bbls., same basis.....lb. .33½- —
5, bbls., same basis.....lb. .24 - —
6, bbls., same basis.....lb. .24 - —
7, bbls., same basis.....lb. .24 - —
8, bbls., same basis.....lb. .22 - —
9, bbls., same basis.....lb. .31½- —
10, bbls., same basis.....lb. .18¾- —
Venetian, bbls., works.....lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0255- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03¼- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion, American, bbls., same basis alizarin lake..lb. .15 - —
English quicksilver, bbls., 500 lbs..lb. 1.80 - —
smaller lots.....lb. 1.81 - 1.90
Red dyes are listed under Dyes.
Red precipitate, N. F., powd., fib. dms..lb. 1.84 - 1.86
Red saunders wood, ground, bbls. lb. .12 - .17
Resorcinol, tech., dms., works.lb. .75 - .80
USP, cryst., bbls., works....lb. 1.50 - 1.55
Rhatany root, bgs.....lb. .08¼- .10
Rhodinol, bots.....lb. 5.75 -15.00
Rhubarb root, cs.....lb. .35 - .36
powd., bbls., kgs.....lb. .40 - .42
Rochelle salt, cryst., bbls., 5,000 lbs., 1 shipm't..lb. .15 - —
smaller lots .....lb. .15½- —
powd., bbls., 5,000 lbs., 1 shipm't..lb. .16 - —
smaller lots .....lb. .16½- —
Rose flowers, pale, bls.....lb. .21 - .22
Red, bls.....lb. 2.00 - 2.10
Water, triple.....djn. 4.75 - 5.00
Rosemary flowers, bls.....lb. .35 - .40
Leaves, bls.....lb. .05½- .06
Rosin, gum, B, bbls., ex dock.. 280 lbs. 9.12½- —
D, bbls.....280 lbs. 9.12½- —
E, bbls.....280 lbs. 9.12½- —
F, bbls.....280 lbs. 9.12½- —
G, bbls.....280 lbs. 9.12½- —
H, bbls.....280 lbs. 9.12½- —
I, bbls.....280 lbs. 9.12½- —
K, bbls.....280 lbs. 9.12½- —
M, bbls.....280 lbs. 9.12½- —
N, bbls.....280 lbs. 9.15 - —
W. G., bbls.....280 lbs. 9.15 - —
W. W., bbls.....280 lbs.10.10 - —
X, bbls.....280 lbs.10.10 - —
Wood, New York, F. F., bbls., 280 lbs. 8.86 - 9.95
K, bbls.....280 lbs. 9.06 -10.15
M, bbls.....280 lbs. 9.16 -10.25
N, bbls.....280 lbs. 9.86 -10.95

Rottenstone, dom., bgs., c.l., f.o.b. mines..ton.35.00 - —
l.c.l., ex whse.....ton.50.00 - —
Import., lump, bbls.....lb. .12 - —
powd., bbls.....lb. .08¾- .10
Rue, bls.....lb. .21 - .26

S

Sabadilla seed, powd., bbls....lb. .22 - .23
Saccharin, dms., 100 lbs.....lb. 1.70 - —
cns., 25 lbs.....lb. 1.73 - 2.05
Safflower, bls.....lb. .25 - .26
Saffron, Mexican, bls.....lb. .45 - .50
Spanish, tins.....lb.18.00 -20.00
Safrol, cns.....lb. .50 - .55
dms.....lb. .47 - .55
Sage, Dalmatian, stemless....lb. .06 - .06½
garden, bls.....lb. .06½- .07
Sago fleur, bgs.....lb. .03¾- .04¼
Salicin, bots., 5 lbs.....lb. 4.25 - —
cns., 25 lbs.....lb. 4.00 - —
Salol, gran., bbls., 200 lbs.....lb. .90 - —
bxs., 25 lbs.....lb. .93 - —
kgs., 100 lbs.....lb. .90 - —
powd., fib. dms., 25 lbs.....lb. 1.08 - —
kgs., 100 lbs.....lb. 1.00 - —
Salt, rock, bgs., dlvd., N. Y..ton.11.80 -12.80
l.c.l., bgs., dlvd., N. Y.ton.14.00 -14.50
vacuum, common, fine, bgs., c.l., dlvd., N. Y..ton.14.80 - —
l.c.l., dlvd. N. Y.....ton.15.50 - —
Saltcake, grd., dom., bbls., works, ton.19.00 -23.00
bulk, works.....ton.12.00 -16.00
import, bulk, c.i.f.....ton.12.00 -12.50
Chrome (see Chrome cake).
Saltpeter, dbl. refined, cryst., 10-20 tons, bbls..100 lbs. 7.00 - 7.75
1-9 tons.....100 lbs. 7.40 - 7.90
less than ton lots..100 lbs. 7.40 - 8.15
gran., bbls., 10-20 tons.100 lbs. 6.00 - —
1-9 tons.....100 lbs. 6.15 - —
less than ton lots..100 lbs. 6.40 - —
powd., bbls., 10-20 tons.100 lbs. 7.00 - —
1-9 tons.....100 lbs. 7.15 - —
less than ton lots..100 lbs. 7.40 - —
Santonin, cryst., cns.....lb.25.00 -26.00
Saponin, crude, cns.....lb. 1.45 - —
purified, bots., 5 lbs.....lb. 1.65 - —
cns., 25 lbs.....lb. 1.50 - —
Sarsaparilla root, Honduras, bls.lb. .45 - .50
Mexican, bls.....lb. .20 - .22
Sassafras bark, ord., bls.....lb. .11 - .12
select, bls.....lb. .22 - .26
Savory, bbls.....lb. .07 - .07½
Saw palmetto berries, bgs.....lb. .59 - .51
Scammony root, bgs.....lb. .06 - .07
Schaeffer's salt, bgs.....lb. .46 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipm't..lb. .12¾- —
smaller lots .....lb. .13½- —
kegs, 5,000 lbs., 1 shipm't.lb. .13½- —
smaller lots .....lb. .13¾- —
Senega root, bls.....lb. .69 - .72
Senna leaves, Alexandria, bls.lb. .10 - .11
Tinnevelly, No. 1, bls.....lb. .10 - .11
2, bls.....lb. .07 - .08
3, bls.....lb. .05 - .06
powd., bbls., bxs.....lb. .09 - .10
siftings, bls.....lb. .10 - .11
Pods, bls.....lb. .06 - .07
Serpentaria roots, bls.....lb. .95 - 1.00
Shellac, bleached, bonedry, bbls., f.o.b., N.Y..lb. .17½- .18
dlvd. Boston.....lb. .18 - .18½
Chicago .....lb. .18½- .19
Pacific Coast.....lb. .19½- .20
refd., bbls., f.o.b. N. Y....lb. .24 - .25
dlvd. Boston.....lb. .19 - .19½
Chicago .....lb. .19½- .20
Pacific Coast.....lb. .20½- .21
Garnet, bgs.....lb. .15 - .16
Orange, D.C., VSO., Diamond, cases..lb. .23 - .24
superfine, bgs., f.o.b. Bost., N. Y..lb. .13½- .14
dlvd. Chicago.....lb. .14½- .15
Pacific Coast.....lb. .16½- .17
T. N., bgs., f.o.b. Bost., N. Y. lb. .12½- .13
dlvd., Chicago.....lb. .13½- .14
Pacific Coast.....lb. .15½- .16
Shellac, varnish, orange, 5-lb. cut, bbls..lb. .90 - 1.06
4½-lb. cut, bbls.....gal. .85 - .95
4-lb. cut, bbls.....gal. .80 - .90
white, 5-lb. cut, bbls....gal. 1.05 - 1.15
4½-lb. cut, bbls.....gal. 1.00 - 1.10
4-lb. cut, bbls.....gal. .95 - 1.05
Silica amorph., dry-grd., 95-97%, 325 mesh, bgs., c.l., works, ton.17.00 - —
l.c.l., 2½ tons, works, ton.19.00 - —
smaller lots, works, ton.20.00 - —
wet-grd., 95-97%, 325 mesh, bgs., c.l., works..ton.18.00 - —
l.c.l., 2½ tons, works, ton.19.50 - —
smaller lots works, ton.21.00 - —
400 mesh, bgs., c.l., works, ton.35.00 - —
l.c.l., 2½ tons, works, ton.36.50 - —
smaller lots, works, ton.38.00 - —
96-98%, 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., 2½ tons, works, ton.21.50 - —
smaller lots, works, ton.23.00 - —
99%, 325 mesh, bgs., c.l., works..ton.22.00 - —
l.c.l., 2½ tons, works, ton.25.50 - —
smaller lots.....ton.27.00 - —
hard-quartz, 140 mesh, bgs., c.l., works..ton.11.00 - —
l.c.l., works.....ton.16.00 - —
Silver, bullion.....oz. .44¾- —
Govt. purchase.....oz. .7757- —
Nitrate, vis.....oz. .32½- .34¾
Nucleinate, bots., cns., 480 ozs., oz. .30 - .31
Proteinate, bots., cns., 480 ozs., oz. .29 - .30
Simarubra bark, bls.....lb. .28 - .30
Skatol, bots.....lb.76.00 -80.00
Skullcap, Eastern, bls.....lb. .25 - .26
Western, bls.....lb. .24 - .25
Skunk cabbage root, bls.....lb. .15 - .16
Slate flour, bgs., c.l., works..ton. 9.00 - —
l.c.l., works.....ton.10.00 -15.00
Sloe berries, bgs.....lb. .11 - .12
Smalt, black, extra velvet, ctns. lb. .05 - .06
Blue, ctns.....lb. .07 - .08½
Snakeroot, Canad., bls.....lb. .24 - .26
Soapbark, bls.....lb. .07 - .08
crushed, bls., bbls.....lb. .11 - .12
cut, bls., bbls.....lb. .09 - .10
powd., bbls.....lb. .13 - .14
Soda, abietate, dms.....lb. .13 - —
Acetate, anhyd., dms.....lb. .08¼- —
flake, gran., powd., 60%, dms..lb. .04¼- .05
Alginate, dms.....lb. .69 - —
Antimoniate, bbls.....lb. .15¾- .16¼
Arsenate, dms., dealers, c.l. works..lb. .06 - —
l.c.l., dms., works.....lb. .06½- —
Arsenite, dry, gray, dms., c.l., dealers' works..lb. .07½- .09½
l.c.l., dms., works.....lb. .08 - .10
white, dms., c.l., dealers' works..lb. .09 - .13
l.c.l., dms., works.....lb. .09½- .13½
liquid, dms., works.....gal. .30 - .33
Soda arsenite, dry, gray prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.

Soda ash, dense, 58%, bgs., c.l. works..100 lbs. 1.25 - —
l.c.l., Zone 1.....100 lbs. 2.03 - —
2 .....100 lbs. 2.18 - —
3 .....100 lbs. 2.43 - —
4 .....100 lbs. 2.83 - —
bbls., c.l., works....100 lbs. 1.50 - —
l.c.l., Zone 1.....100 lbs. 2.25 - —
2 .....100 lbs. 2.40 - —
3 .....100 lbs. 2.65 - —
4 .....100 lbs. 3.05 - —
bulk, c.l., works.....100 lbs. 1.10 - —
extra light, 58%, bgs., c.l., 100 lbs. 1.33 - —
l.c.l., Zone 1.....100 lbs. 1.98 - —
2 .....100 lbs. 2.13 - —
3 .....100 lbs. 2.38 - —
4 .....100 lbs. 2.78 - —
bbls., c.l.....100 lbs. 1.60 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. 1.05 - —
light, 58%, bgs., c.l., works. 100 lbs. 1.23 - —
l.c.l., Zone 1.....100 lbs. 1.98 - —
2 .....100 lbs. 2.13 - —
4 .....100 lbs. 2.78 - —
3 .....100 lbs. 2.38 - —
bbls., c.l., works....100 lbs. 1.50 - —
l.c.l., Zone 1.....100 lbs. 2.25 - —
2 .....100 lbs. 2.40 - —
3 .....100 lbs. 2.65 - —
4 .....100 lbs. 3.05 - —
bulk, c.l.....100 lbs. 1.05 - —

Soda ash l.c.l. prices are per 100 lbs. and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. For ex warehouse, deduct 15c. per 100 lbs. from the above prices; out of town shipments, use ex warehouse prices as f.o.b. cars at warehouse stock point. The sales zones are:—Zone 1, E. of Miss. R., but including Davenport and St. Louis, to S. bndry. of Va. and Ky., N. E. States (in Me., N.H., Vt.), special local prices apply for shipts. to various counties; Zone 2, Ala., Fla., Ga., Iowa (except Davenport), E. Kan. (incl. Wichita), Minn., Miss., Mo. (except St. Louis), N. C., Omaha, S.C., Tenn.; Zone 3, Ark., Kan. (W. of Wichita), La., Neb. (except Omaha), N.D., Okla., S.D., Tex. (except El Paso); Zone 4, Ariz., Colo., El Paso (Tex.), Idaho, Mont., Nev., N.M., Spokane, Utah, Wyo.; Zone 5, Calif., Ore., Wash. (except Spokane).

Benzoate, tech., bbls., 4,000 lbs. or more..lb. .39 - —
1,000 to 3,900 lbs.....lb. .40 - —
900 lbs. or less.....lb. .43 - —
USP, bbls., 4,000 lbs. or more..lb. .46 - —
1,000 to 3,900 lbs.....lb. .47 - —
900 lbs. or less.....lb. .50 - —
dms., 4,000 lbs. or more.lb. .47 - .49
1,000 to 3,900 lbs.....lb. .48 - .49
900 lbs. or less.....lb. .51 - .53
Bicarbonate, gran., bbls., c.l., works..100 lbs. 2.15 - —
powd., bbls., c.l., works.. 100 lbs. 1.75 - —
l.c.l., dlvd. N.Y....100 lbs. 2.39 - —
kgs., c.l.....100 lbs. 2.60 - —
l.c.l., dlvd. N.Y....100 lbs. 2.64 - —
Bichromate, spot, c.l., works, lb. .06¾- —
6 cks. or 10 bbls. or over, works..lb. .06¾- —
5 cks. or 9 bbls. or less, works..lb. .07 - —
Bifluoride, bbls.....lb. .12 - —
Bisulphate (see Niter cake).
Bisulphite, powd., bbls., c.l., works..100 lbs. 3.25 - 3.35
l.c.l., works.....100 lbs. 3.50 - 3.60
solution, 32 deg., bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., bbls., works.100 lbs. 1.55 - —
33 deg., bbls., c.l., works. 100 lbs. 1.35 - —
l.c.l., bbls., works.100 lbs. 1.60 - —
35 deg., bbls., c.l., works. 100 lbs. 1.40 - —
l.c.l., bbls., works.100 lbs. 1.65 - —
40 deg., bbls., works.100 lbs. 1.65 - —
l.c.l., bbls., works.100 lbs. 1.90 - —
Bromide, U.S.P., gran., bbls., 500 lbs..lb. .31 - —
fiber dms., 100 lbs.....lb. .32 - —
Cacodylate, bots, 5 lbs.....lb. 6.82 - —
jars, 25 lbs.....lb. 6.50 - —
Carbonate (see Soda ash, soda monohydrated soda, sal)
Caustic, flake, 76% l. grd., powd., ammon. process, bbls., c.l., works..100 lbs. 3.25 - —
dms., c.l., works...100 lbs. 3.00 - —
l.c.l., Zone 1....100 lbs. 3.45 - 4.80
2 .....100 lbs. 3.60 - 4.95
3 .....100 lbs. 3.85 - 5.20
4 .....100 lbs. 4.25 - 5.60
electro process, dms., c.l., works..100 lbs. 2.95 - —
l.c.l. same zone prices as ammonia process.
liquid, 47-49% buyer's tanks, works..100 lbs. 2.22½- —
seller's tanks, works..... 100 lbs. 2.25 - —
70%, buyer's tanks, works, 100 lbs. 2.27½- —
seller's tanks, works..... 100 lbs. 2.30 - —
solid, 76%, ammon. process, dms., c.l., works..100 lbs. 2.60 - —
l.c.l., Zone 1.....100 lbs. 3.05 - —
2 .....100 lbs. 3.20 - —
3 .....100 lbs. 3.45 - —
electro process, dms., c.l., works..100 lbs. 2.55 - —
l.c.l., same zone prices as ammon. process.

Caustic soda l.c.l. prices are on the same basis as those for soda ash. The same zones are also the same.

Chlorate, dom., cryst., bgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06½- .08
powd., bgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .07 - .08¼
Citrate, U.S.P. VIII, gran., bbls..225 lb. .21 - —
cns. 50 lbs.....lb. .23 - —
25 lbs.....lb. .25 - .26
kgs., 100 lbs.....lb. .22 - —
USP X, gran., bbls., 250 lbs. lb. .27½- —
cns. 50 lbs.....lb. .29½- —
25 lbs.....lb. .31½- .32½
kgs., 100 lbs.....lb. .28 - —
powd., bbls., 250 lbs.....lb. .28 - —
cns., 50 lbs.....lb. .30 - —
25 lbs.....lb. .32 - .33
kgs. 100 lbs.....lb. .29 - —
Cyanide, 96-98%, dom., dms..lb. .16¾- .17¼
Import., cs.....lb. .16¼- .17
Fluoride, white, 90%, bbls., c.l., f.o.b. Phila..lb. .07¼- —
l.c.l., 10 or over, same basis..lb. .07½- —
5-9, same basis.....lb. .08 - —
1-4, same basis.....lb. .08¼- —
95%, bbls., c.l., same basis. lb. .07½- —
l.c.l., 10 or over, same basis..lb. .07¾- —
5-9 same basis.....lb. .08¼- —
1-4, same basis.....lb. .08½- —

Soda fluoride prices at Los Angeles are f.a.s. Phila.

Soda glycerophosphate, N.F., cryst., bbls., 1,000-lb. lots..lb. 1.00 - —
smaller lots.....lb. 1.15 - —
cns., 25 lbs.....lb. 1.40 - —
powd., bbls., 1,000 lb. lots, lb. 1.05 - —
smaller lots.....lb. 1.20 - —
cns., 25 lbs.....lb. 1.45 - —
Hydrosulphite, bbls.....lb. .16 - .17
Hydroxide, USP, sticks, cns., 100 lbs..lb. .33 - .34
Hypophosphite, N.F., cns., 100 lbs..lb. .67 - —
Hyposulphite, cryst., large, bbls., 100 lbs. 2.40 - 2.65
pea, bbls.....100 lbs. 2.50 - 2.95
gran., bbls.....100 lbs. 2.75 - 3.30
Iodate, jars.....lb. 5.02 - 5.07
Iodide, jars.....lb. 1.90 - 1.95
Mandelate, bots., 5 lbs.....lb. 4.50 - —
jars, 25 lbs.....lb. 4.25 - —
Metaniliate, kgs.....lb. .41 Nom.
Metasilicate, cryst., bbls., c.l., works..100 lbs. 2.75 - —
gran., bbls., c.l., works.100 lbs. 2.15 - —
l.c.l., dlvd.....100 lbs. 2.60 - 2.80
Molybdate, tech., anhyd., kgs., lb. .70 - .75
cryst., kgs.....lb. .60 - .65
Monohydrated, bbls.....100 lbs. 2.00 - —
works .....100 lbs. 2.30 - —
Naphthenate, bbls.....lb. .19 - —
Naphthionate, bbls.....lb. .52 - .54
Nitrate, crude, 100-lb. bgs., July dlvy., ports....ton.28.50 - —
200-lb. bgs., same basis, ton.27.80 - —
bulk, July-Oct. dlvy., same basis..ton26.50 - —
rfd., gran., bbls., 25..100 lbs. 2.25 - —
5-24 .....100 lbs. 2.40 - —
1-4 .....100 lbs. 2.65 - —
powd., bbls., ton lots....lb. .05¾- —
smaller lots.....lb. .06¼- —
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equalized..lb. .07 - —
c.l., West Coast, f.o.b. ports..lb. .06¼- —
l.c.l. .....lb. .06½- .11½
Soda nitrite l.c.l. price range represents delivery at various points.
Oxalate, neut., bbls.....lb. .09 - —
kgs. .....lb. .11 - —
Perborate, NF, bbls., c.l., works..lb. .14¾- —
l.c.l., works.....lb. .15¾ —
Phosphate, dibasic, tech., bgs., c.l., works..100 lbs. 1.70 - —
l.c.l., works.....100 lbs. 1.95 - —
bbls., c.l., works...100 lbs. 1.90 - —
l.c.l., works.....100 lbs. 2.10 - —
monobasic, anhyd., bbls., c.l. 100 lbs. 7.51 - —
l.c.l. .....100 lbs. 8.35 - —
tribasic, bgs., c.l., works..... 100 lbs. 1.85 - —
l.c.l., works.....100 lbs. 2.25 - —
bbls., c.l., works...100 lbs. 2.05 - —
l.c.l., works.....100 lbs. 2.45 - —
kgs., c.l., works....100 lbs. 2.55 - —
l.c.l., works.....100 lbs. 2.95 - —
Picramate, kgs.....lb. .85 - —
Prussiate, yellow, bbls., works, lb. .10 - .11½
Pyrophosphate, anhyd., bbls.lb. .10 - —
cryst., bbls.....lb. .09½- —
Sal, bgs., dlvd., N. Y...100 lbs. 1.20 - —
100 lbs. 1.00 - —
bbls., dlvd. N. Y.....100 lbs. 1.20 - —
works .....100 lbs. 1.10 - —
Salicylate, bxs.....lb. .47 - —
Sesquisilicate, dms., c.l., works, 100 lbs. 3.00 - —
20 dms. and up, delvd. N.Y.C. 100 lbs. 3.65 - —
5-19 dms.....100 lbs 4.10 - —
1-4 dms.....100 lbs. 4.50 - —
Silicate, 40° turbid, dms., c.l., works..100 lbs. .80 - —
l.c.l., 5 or more, works, 100 lbs. 1.05 - —
1-4, works.....100 lbs. 1.20 - —
52° dms., c.l., works..100 lbs. 1.25 - —
l.c.l., 5 or more, works, 100 lbs. 1.60 - —
1-4, works.....100 lbs. 1.75 - —
Silicofluoride, dom., bbls....lb. .05¾- .06
import, bbls.....lb. .05¾- .06
Stannate, dms.....lb. .37½- .40¼
Stearate, lump, bbls., works..lb. .19 - .30
powd., bbls. works.....lb. .24 - —
Sulphate, anhyd., bgs., bbls., c.l., works..100 lbs. 1.45 - 1.65
5 tons or over, works, 100 lbs. 1.70 - 1.90
less than 5 tons, works, 100 lbs. 1.95 - 2.15
cryst. (see Glauber's salt).
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.25 - —
l.c.l., 5 tons or over, dlvd. 100 lbs. 2.75 - —
less than 5 tons, dlvd. 100 lbs. 3.00 - —
solid, bbls., c.l., works.100 lbs. 3.00 - —
l.c.l., 5 tons or over, dlvd. 100 lbs. 3.50 - —
less than 5 tons, dlvd. 100 lbs. 3.75 - —
Sulphite, cryst., bgs., works... 100 lbs. 2.10 - 2.65
bbls. .....100 lbs. 2.50 - 2.65
powd., bbls., c.l.....100 lbs. 5.25 - —
l.c.l., 5 or more...100 lbs. 5.50 - —
1-4 .....100 lbs. 6.00 - —
Sulphocarbolate, cs.....lb. .27 - .28
Sulphocyanide, dms., cns....lb. .29 - .47
Sulphoricinoleate, bbls.....lb. .13 - —
Thiosulphate (see hyposulphite)
Tungstate, CP, kgs.....lb. No prices
tech., kgs.....lb. No prices
Solvent naphtha, high-flash, dms., works, frt. equald. gal. .36 - —
tanks, same basis.....gal. .31 - —
water-white, dms., works, gal. .35 - —
tanks, E. of Omaha, frt. alld. gal. .30 - —
W. of Omaha, works. gal. .30 - —
Sorbitol, com'l, syrup, dms., basis sorbitol cont., works. lb. .25 - —
Sparteine sulphate, cns.....oz. 1.10 - 1.15
Spearmint leaves, bls.....lb. .20 - .25
Spikenard root, bls.....lb. .12 - .15
Spruce extract, bbls., works....lb. .01½- —
tanks, works.....lb. .01 - —
powd., bgs.....lb. .04¼- —
super, bbls., works.....lb. .01¾- —
tanks, works.....lb. .01¾- —
Squawvine leaves, bls.....lb. .14 - .15
Squill, red, bls.....lb. .14 - .15
White, bls.....lb. .07 - .08
powd., bbls., bxs.....lb. .12 - .13
St. Ignatius beans, bgs.....lb. .31 - .32
St. John's bread, bls.....lb. .08½- .09
Starch, corn, pearl, bgs...100 lbs. 4.33 - 4.62
powd., bgs.....lb. 4.43 - 4.63
Iodide, bots.....lb. 1.87 - —
Potato, dom., bgs.....lb. .05½ Nom.
import., bgs.....lb. .05½ Nom.
Rice, bbls.....lb. .07¼ Nom.
Wheat, thick boil, bbls.....lb. .07 Nom.

Stavesacre—Yohimbine

Stavesacre seed, bgs.....lb. .28 - .30
Stearin, oleo, bbls.....lb. .09½- .09¾
Stillingia root, bls.....lb. .09½- .10
Stoneroot, bls.....lb. .06½- .07
Storax, cs.....lb. .55 - .60
Stramonium leaves, bls.....lb. .11 - .12
seed, bgs.....lb. .09 - .10
Strontium bromide, fib. dms..lb. .57 - .58
kgs., 150 lbs.....lb. .55 - —
Carbonate, pure, bbls.....lb. .30 - .31
Iodide, jars, 25 lbs.....lb. 2.70 - —
bots., 5 lbs.....lb. 2.76 - —
Strontium, nitrate, dom., bbls., c.l., works..lb. .07¾- —
25 bbls. and over.....lb. .06¾- —
1-4 bbls. and over.....lb. .08¾- —
import. bbls.....lb. .08¼- .09
Strophanthus seed, Kombe, bgs. lb. 1.45 - 1.50
Strychnine, cryst., cns.....oz. .48 - .51
powd., cns.....oz. .39 - .41
Acetate, cns.....oz. .54 - —
Arsenate, cns.....oz. .66 - —
Arsenite, cns.....oz. .64 - —
Glycerophosphate, cns.....oz. .65 - —
Hydrochloride, cns.....oz. .64 - —
Hydrophosphite, cns.....oz. .75 - —
Nitrate, cns.....oz. .58 - —
Phosphate, cryst., cns.....oz. .65 - —
Sulphate, cryst., cns.....oz. .42 - .45
powd., cns.....oz. .52 - .54
Sucrose octa-acetate, denat. grade, bbls., l.c.l., works. lb. .45 - —
tech., bbls., l.c.l., works....lb. .40 - —
Sugar coloring, bbls.....gal. .75 - 1.10
Milk, bbls., c.l.....lb. .15 - —
l.c.l., 10 or over.....lb. .16 - —
less than 10.....lb. .17 - —
Sulfanilamide, 5 lb. bots.....lb. 5.00 - —
fib., dms.....lb. 4.65 - 4.75
Sulphonethylmethane, kgs.....lb. 6.75 - 6.80
Sulphonmethane, kgs.....lb. 5.25 - 5.30
Sulphur, crude, bulk, 1,000 tons, mines, contracts..long ton. 18.00 - —
c.l., spot, nearby..long ton. 21.00 - —
ex vessel, Balto., N. Y., Phila., Southern ports, long-ton. 22.00 -25.00
Bost., Portland..long ton. 22.50 -25.50
flowers, bgs., c.l., works. 100 lbs. 3.00 - —
bbls., works.....100 lbs. 3.25 - —
l.c.l., bgs., works..100 lbs. 3.35 - 3.75
bbls., works.....100 lbs. 3.70 - 4.10
refined, broken, bgs., c.l., works..100 lbs. 2.15 - —
bbls., works.....100 lbs. 2.30 - —
l.c.l., bgs., works..100 lbs. 2.50 - 2.90
bbls., works.....100 lbs. 2.65 - 3.05
flour, com'l., bgs., c.l., works, 100 lbs. 1.65 - —
bbls., c.l., works..100 lbs. 1.95 - —
l.c.l., bgs., works..100 lbs. 1.95 - 2.35
bbls., bbls., works..100 lbs. 2.30 - 2.70
extra fine, bgs., c.l., works, 100 lbs. 2.35 - —
bbls., works....100 lbs. 2.20 - —
heavy, bgs., c.l., works, 100 lbs. 2.55 - —
bbls., works....100 lbs. 2.90 - —
l.c.l., bgs., works..100 lbs. 2.90 - 3.30
bbls., works....100 lbs. 3.25 - 3.65
light, bgs., c.l., works..100 lbs. 2.65 - —
bbls., works....100 lbs. 3.00 - —
l.c.l., bgs., works..100 lbs. 3.00 - 3.40
bbls., works....100 lbs. 3.35 - 3.75
rock, virgin, bbls., c.l., works, 100 lbs. 2.30 - —
l.c.l., bbls., works. 100 lbs. 2.15 - —
roll, bgs., c.l., works..100 lbs. 2.35 - —
bbls., works....100 lbs. 2.50 - —
l.c.l., bgs., works..100 lbs. 2.70 - 3.10
bbls., works....100 lbs. 2.85 - 3.25
Chloride, 55-gal. dms., c.l...lb. .03 - —
l.c.l., dms., works.....lb. .04 - —
10-gal. dms., c.l.....lb. .07 - —
l.c.l.....lb. .08 - —
Dioxide, liq., com'l, cyls., works..lb. .07 - .09
multi-unit cars, works..lb. .04½- .07
tanks, works.....lb. .04 - .05
refrigeration, cyls., works. lb. .16 - .40
multi-unit cars, works..lb. .07½- .10
Iodide bots., jars.....lb. 3.80 - 3.85
Sumac, grd., Sicilian, bls....ton. 59.00 - —
leaf, bales.....ton. 64.00 - —
Extract, 42°, bbls.....lb. .05¼- .06¼
51°, bbls.....lb. .06½- .08½
stainless, bbls.....lb. .08½- .09¼
Sunflower seed, Calif., large, bgs. lb. .06½- .07
medium, bgs.....lb. .06¾- .06¼
poultry, bgs.....lb. .05½- .06
Superphosphate, guaranteed, 16%, bulk, f.o.b. cars, boat, Balto. ton. 8.50 - —
run-of-pile, basis 16%, bulk, same basis..ton. 8.00 - —
triple, 44-45%, a.p.a. bulk, f.o.b. Balto..unit-ton. .70 Nom.

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Talc, dom., Calif., 1, bgs., c.l., mills..ton. 20.00 - —
2, bgs., c.l., mills.....ton. 17.00 - —
N.Y., fibrous, 93-94%, 325 mesh, bgs., c.l., mills. ton. 14.00 - —
l.c.l., mills.....ton. 16.00 - —
96.98%, 325 mesh, bgs., c.l., mills..ton. 15.00 - —
l.c.l., mills.....ton. 17.00 - —
98-99¼%, 325 mesh, bgs., c.l., mills..ton. 15.25 - —
l.c.l., mills.....ton. 17.25 - —
99.85-99.95% 325 mesh, bgs., c.l., mills..ton. 17.00 - —
coarse, off color, bgs., c.l., mills..ton. 11.00 -13.00
Ohio, alum-magn. type, grd., bgs., c.l., mills..ton. 21.00 - —
l.c.l., mills.....ton. 24.00 - —
Vermont, bgs., c.l., mills. ton. 14.00 - —
l.c.l., ex whse.....ton. 25.00 - —
import, Canad., bgs., c.l., dlvd..ton. 28.00 - —
l.c.l., dlvd.....ton. 28.50 - —
French, high-grade, bgs., l.c.l., ex whse..ton. 45.00 -60.00
ordinary, bgs., c.l., ex dock, arrival..ton. 23.00 -25.00
l.c.l., ex whse.....ton. 27.50 -32.50
Italian, 1, bgs., ex dock, arrival..ton. 65.00 -67.00
ex whse.....ton. 85.00 - —
2, bgs., ex dock, arrival. ton. 60.00 -62.00
Tallow, animal, edible, bbls....lb. .08¾ Nom.
extra, loose, works.....lb. .08¼- —
special, loose, works.....lb. .08 - —
sulphonated 35% (24% fat), dms., c.l..lb. .07 - —
l.c.l.....lb. .07½- —
50% (43% fat), dms., c.l..lb. .07½- —
l.c.l.....lb. .08 - —
50% (48% fat), dms., c.l..lb. .08 - —
l.c.l.....lb. .08½- —
Tamarinds, W. I., bbls.....lb. .06½- .07
kegs.....keg. 5.00 - 5.25
Tankage, animal, dom., grd., 10-12% ammon., 15-20% b.p.l., bulk.....unit-ton. 3.50 & .10
unground, 9-11% ammon., 15-20% b.p.l., bulk..... unit-ton. 3.50 & .10
fertilizer grade, 10-11% ammon., 15-20% b.p.l., bulk, Chicago..unit-ton. 3.00 & .10
high-grade feeding, bulk, Chicago..unit-ton. 3.00 & .10
import., S. Amer., 10-12% ammon., 15% b.p.l., bulk, c.i.f. ports, shipt. unit-ton. 3.70 & .10
Tansy leaves, bls.....lb. .18 - .20
Tapioca flour, bgs.....lb. .06¼- .06¾
Tar acid oil, 15%, dms., c.l., works..gal. .22½- —
l.c.l., same basis.....gal. .25½- —
25%, dms., c.l., works....gal. .26½- —
l.c.l., same basis.....gal. .29½- —
Pine, retort, dms., c.l., dlvd. E. cities..gal. .26 - —
dlvd. ports.....gal. .25 - —
l.c.l. .....gal. .26 - —
tanks, dlvd. E. cities....gal. .20 - —
Tartar emetic tech., fine gran., bbls., 5 or more..lb. .26¾- —
less than 5.....lb. .27 - —
powd., bbls., 5 or more..lb. .26¾- —
less than 5.....lb. .27 - —
USP, powd., bbls.....lb. .32 - .32½
Terebene, cns.....lb. .70 - .75
Terpinyl acetate, cns.....lb. .80 - 1.00
Terpin hydrate, kgs.....lb. .45 - .46
Terpineol, CP, cns.....lb. .26 - —
dms. .....lb. .23 - —
Alpha, denat. grade, dms., c.l. lb. .14¾- —
contracts .....lb. .13¾- —
tanks .....lb. .14 - —
contracts .....lb. .13 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms., works. lb. .08 - .08½
Tetrachloroethylene, CP, dms..lb. .21½- —
tech., dms.....lb. .10½- —
Tetralin, dms.....lb. .12 - —
Thallium sulphate, 99% pure, dms. works..lb. 7.25 - 7.50
Theobromine, cns.....lb. 1.85 - 1.95
Sodiosalicylate, cns.....lb. 1.65 - 1.75
Thiocarbanilide, dms.....lb. .20 - —
Thorium nitrate, cs., works...lb. 2.00 - —
Thyme, French, bls.....lb. .09½- .10
Thymol, bots., 100 lbs.....lb. 1.65 - —
smaller lots.....lb. 1.70 - 1.95
Iodide, kgs., 50 lbs.....lb. 3.15 - 3.20
25 lbs.....lb. 3.25 - 3.30
Timbo root, powd., imp't., 5% rotenone, bbls., ex-dock, approved assay, 15 tons lb. .26 - —
5 tons, same bases....lb. .27 - —
4% rotenone prices 5c. per lb., less.
Tin, crystals, bbls., kgs.....lb. .41½- .42
Metal, Straits.....lb. .59¾- —
Oxide, bbls.....lb. .58 - .60
Tetrachloride, anhyd., bbls..lb. .30 - —
Titanium, dioxide, bgs., c.l. (20 tons), E. frt. alld..lb. .16 - —
Pac. cst., f.o.b. terminals, lb. .16 - —
l.c.l., 1,000-39,999 lbs., E. dlvd..lb. .16¼- —
Pac. cst., ex whse...lb. .16½- —
50-999 lbs., E. dlvd.....lb. .16¾- —
Pac. cst., ex whse....lb. .16¾- —
under 50 lbs., E. dlvd..lb. .19 - —
Pac. cst., ex whse....lb. .19 - —
bbls., c.l. (20 tons) E., frt. alld..lb. .16¼- —
l.c.l., 1,000-39,999 lbs., E. dlvd..lb. .16¾- —
50-999 lbs., E. dlvd.....lb. .17 - —
pigment, barium calcium or magnesium base, bgs., c.l., E. frt. alld.....lb. .05¾- —
Pac. cst., f.o.b. terminal. lb. .05¾- —
l.c.l., E. dlvd.....lb. .06¼- —
Pac. cst., ex whse..lb. .06¼- —
under 50 lbs., E. dlvd.lb. .06¾- —
bbls., c.l., E., frt. alld...lb. .06¼- —
l.c.l., E. dlvd.....lb. .06¾- —
Tolidin base kgs.....lb. .88 - .90
distilled, kgs.....lb. .95 - 1.00
Tolu, balsam, cns.....lb. .48 - .50
Toluidin, mixed, dms.....lb. .26 - —
Toluol (toluene), pure, dms., works..gal. .35 - —
tanks, E. of Omaha, frt. alld. gal. .30 - —
W. of Omaha, works....gal. .30 - —
Tonga vine, NF, bls.....lb. .28 - .30
Tonka beans, Angostura, cks..lb. 2.50 - 2.60
Triacetin, dms.....lb. .36 - —
Triamyl borate, dms., l.c.l., works..lb. .27 - —
Triamylamine, dms., c.l., works, lb. .77 - —
l.c.l. works.....lb. .80 - —
Trichloroethylene, dms., c.l., works, frt. alld. E. of Rockies..lb. .089 - —
W. of Rockies.....lb. .099 - —
l.c.l., works, frt. alld., E. of Rockies..lb. .094- —
W. of Rockies.....lb. .104 - —
Tricresyl phosphate, CP, cns., dlvd..lb. .42 - .53
dms., c.l., dlvd.....lb. .36 - —
500 lbs., dlvd.....lb. .39 - —
tech., 1, cn., dlvd.....lb. .30 - .41
dms., c.l., dlvd.....lb. .26½- —
500 lbs., dlvd.....lb. .27 - —
2, cns., dlvd.....lb. .28 - .39
dms., c.l., dlvd.....lb. .24½- —
500 lbs., dlvd.....lb. .25 - —
Triethanolamine, dms., c.l., works, lb. .21 - —
l.c.l., works.....lb. .22 - —
tanks, works.....lb. .20 - —
Triethylene glycol, dms., l.c.l., works..lb. .26 - —
Triphenyl phosphate, dms....lb. .34 - .38
Tripoli, air-floated, bgs., c.l., works..ton. 25.00 - —
l.c.l., ex whse., N.Y....ton. 40.00 - —
1 ton, works.....ton. 30.00 - —
1 bg., works.....bag. 4.00 - —
double-grd., bgs., c.l. works.. ton. 17.00 - —
l.c.l., 1 ton, works.....ton. 22.50 - —
1 bg., works.....bag. 3.50 - —
once-grd., bgs., c.l. works..ton. 15.00 - —
l.c.l., 1 ton, works.....ton. 20.00 - —
1 bg., works.....bag. 3.00 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tungsten metal, powd., 98%, dms., lb. No prices
99%, dms.....lb. No prices
Oxide, CP, kgs.....lb. No prices
tech., kgs.....lb. No prices
Turmeric root, Alleppey, bgs..lb. .05¾- .06¼
Madras, bgs.....lb. .06½- .07
Turpentine, spirits, gum, bbls., c.l., ex dock..gal. .39¼- —
l.c.l., 10, ex dock.....gal. .41¼- —
5, ex dock.....gal. .43¼- —
wood, dest.-dist., dms., c.l., dlvd. E. cities, ports....gal. .36 - —
l.c.l., same basis....gal. .38 - —
tanks, dlvd. E. cities..gal. .33 - —
steam-dist., dms., c.l., dlvd. gal. .37 - —
l.c.l., dlvd.....gal. .40 - —
tanks, dlvd.....gal. .32 - —

U

Unicorn root, false (see Helonias root). True (see Aletris root.)
Uranium oxide, kgs.....lb. 1.50 - —
Urea, dom., 46 + % N, bgs., 5 tons, f.o.b. Atl. ports or Belle, W. Va..ton. 95.00 - —
smaller lots, f.o.b. Belle, W. Va..ton. 95.00 - —
f.o.b. N. Y.....ton. 101.00 - —
import, 46% N. bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., shipt. ton. 95.00 - —
smaller lots, f.o.b. N. Y. from whse. 101.00 - —
pure, cs. .....lb. .14½- .15½
Urea-ammonia liquor 55% ammon., tanks, f.o.b. Belle, W. Va., or Atl. Gulf ports. NH_3 unit 1.00
Uva ursi leaves, bls.....lb. .25 - .26

V

Valerian root, 67s.....lb. .09 - .10
Valonia, beards, bgs., shipt..ton. 47.00 - —
Cups, bgs., shipt.....ton. 31.75 -33.25
Vanilla beans, Bourbon, tins...lb. 4.25 - 4.50
Mexican, tins.....lb. 4.40 - 4.75
cut, tins.....lb. 4.25 - 4.50
South American, tins.....lb. 4.25 - 4.50
Vanillin, ex eugenol, 25-lb. tins, 2,000 lbs. or more..lb. 3.65 - —
1,000 lbs. or more.....lb. 3.70 - —
900 lbs. or less.....lb. 3.75 - —
5-lb. tins, 2,000 lbs. or more, lb. 3.75 - —
1,000 lbs. or more.....lb. 3.80 - —
900 lbs. or less.....lb. 3.85 - —
1-lb. tins, 2,000 lbs. or more. lb. 3.90 - —
1,000 lbs. or more.....lb. 3.95 - —
900 lbs. or less.....lb. 4.00 - —
1-oz. tins, 2,000 lbs. or more. lb. 4.25 - —
1,000 lbs. or more.....lb. 4.30 - —
900 lbs. or less.....lb. 4.35 - —
single lbs.....lb. 4.80 - —
single ozs.....lb. 5.15 - —
Vanillin, ex guaiacol, 10c. per lb. less.
Venice turpentine, true, cs....lb. .47 - .49
Verdigris, bbls., kgs.....lb. .24 - .30
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum naphtha, v.m.p.).

W

Wahoo root bark, bls.....lb. .60 - .61
tree, bark, bls.....lb. .25 - .26
Wattle bark, bgs., shipt.....ton. 36.50 - —
Extract, bbls.....lb. .04¾- .04½
Wax, bayberry, import, bgs...lb. .17 - .17½
Bees, white, bleach, slabs., cs., 500 lbs. .39 - .45
yellow, crude, Africa, bgs., lots of 10..lb. .29½- .30
1 bg.....lb. .30 - .30½
Brazil, Chile, bgs., 5-10 tons. lb. .32 - .32½
1 ton.....lb. .32½- .33
500 lbs.....lb. .33 - .33½
100 lbs.....lb. .33½- .34
refd., slabs, cs., bls.....lb. .35 - .39
Candelilla, bgs., 1 ton.....lb. .14 - .14½
jobbing lots.....lb. .14½- .15
Carnauba, bgs., No. 3 chalky 1 ton..lb. .37½- .38
5 bgs.....lb. .38 - .38½
1 bg.....lb. .38½- .39
N. C. 2, bgs.....lb. .40 - .40½
N. C. 3, bgs, 1 ton.....lb. .37½- .37¾
5 bgs.....lb. .37¾- .38¼
1 bg.....lb. .38¼- .38¾
refined, bgs.....lb. .41¼- .41¾
yellow, 1, bg., 1 ton.....lb. .45½- .46
5 bgs.....lb. .46 - .46½
1 bg.....lb. .46½- .47
2 bgs.....lb. .43¾- .44¼
Ceresin, dom., 138°-140° m.p., bgs., 1 ton..lb. .08½- —
jobbing lots.....lb. .09½- —
150°-160° m.p., bgs., 1 ton. lb. .09½- —
jobbing lots.....lb. .10½- —
160° m.p., bgs., 1 ton.....lb. .10½- —
jobbing lots.....lb. .11¼- —
Japan, cs.....lb. .09½- .10
Montan, bgs., c.l.....lb. .11 - —
5 tons.....lb. .11¼- .11¾
less than 1 ton.....lb. .11½- .12
Ozokerite, hard green, congeal p. 66°-68° C., bgs..lb. .62 Nom.
70°-72° C., bgs.....lb. .35 Nom.
74°-76° C., bgs.....lb. .38 Nom.
snow-white, pure, 76°-78° C., bgs..lb. .45 - .46
yellow, natural, 76°-78° C., bgs..lb. .35 - .36
Paraffin (see P).
Spermaceti, blocks, cs.....lb. .23 - .24
cakes, cs.....lb. .24 - .25
White lead (see Lead, White).
White pine bark, rossed, bls...lb. .05½- .06
White precipitate, powd., bots. 5 lbs..lb. 1.99 - —
dms. .....lb. 1.86 - 1.88
Whiting, chalk, com'l., dry-grd., bip. bgs., c.l., works. ton. 12.00 - —
l.c.l., works.....ton. 14.00 - —
bbls., c.l., works.....ton. 15.00 -16.50
l.c.l., works.....ton. 17.00 - —
pap. bgs., c.l., works. ton. 11.20 -13.50
l.c.l., works.....ton. 13.20 -14.50
wet-grd., bgs., c.l., works, ton. 14.50 -15.00
l.c.l., works.....ton. 15.00 -19.00
bbls., c.l., works.....ton. 17.00 -18.00
glider's bolted, bip. bgs., c.l., works..ton. 15.00 - —
l.c.l., works.....ton. 16.00 - —
bbls., c.l., works.....ton. 18.00 -19.50
l.c.l., works.....ton. 19.00 -20.00
pap. bgs., c.l., works. ton. 14.60 -15.50
l.c.l., works.....ton. 15.60 -16.50
extra bolted, bip. bgs., c.l., works..ton. 15.00 - —
l.c.l., works.....ton. 16.00 - —
bbls., c.l., works.....ton. 18.00 -22.50
l.c.l., works.....ton. 19.00 -22.00
pap. bgs., c.l., works. ton. 14.60 -17.50
l.c.l., works.....ton. 15.60 -18.50
Paris white, bip. bags., c.l., works..ton. 15.00 - —
l.c.l., works.....ton. 16.00 - —
bbls., c.l., works.....ton. 18.00 -24.00
l.c.l., works.....ton. 19.00 -25.00
pap. bgs., c.l., works. ton. 14.60 -20.00
l.c.l., works.....ton. 15.60 -21.50
English cliffstone (see Whiting, chalk, Paris white).
Limestone, air floated, 99.75%, 250 mesh, paper bgs., c.l., works..ton. 9.35 - —
99.75% 200 mesh, paper bgs., c.l., same basis. ton. 8.60 - —
90% 200 mesh, paper bgs., c.l., same basis..ton. 6.25 - —
gilders, bgs. (extra), c.l. works ton. 11.50 - —
l.c.l., 8-20 tons, works. ton. 12.50 - —
4-8 tons, works.....ton. 13.50 - —
2-4 tons, works.....ton. 14.50 - —
Whiting, limestone, gilders, extra, bgs., (extra), c.l., works..ton. 12.50 - —
l.c.l., 8-20 tons, works. ton. 13.50 - —
4-8 tons, works....ton. 14.50 - —
2-4 tons, works....ton. 15.50 - —
putty grade, bgs. (extra), c.l., works..ton. 11.00 - —
l.c.l., 8-20 tons, works. ton. 12.00 - —
4-8 tons, works.....ton. 13.00 - —
2-4 tons, works.....ton. 14.00 - —
water-floated, bgs, (extra), c.l., works..ton. 11.50 - —
l.c.l., 8-20 tons, works. ton. 12.50 - —
4-8 tons, works.....ton. 13.50 - —
2-4 tons, works.....ton. 14.50 - —
precipitated, bgs., c.l., works, ton. 15.00 - —
l.c.l., 5 tons, works....ton. 20.00 - —
smaller lots, works....ton. 25.00 - —
Wild cherry bark, thick, natural, bls..lb. .04½- .05
rossed, bls.....lb. .06½- .07
thin, natural, bls.....lb. .06½- .07
rossed, green, bls.....lb. .10 - .11
Wild indigo root, bgs.....lb. .09 - .10
Witch-hazel extract, dist., NF, bbls..gal. .55 - .65
Leaves, bls.....lb. .07½- .08
Witherite (see Barium carbonate, natural).
Woodflour, dom., fine, bgs., extra, c.l., works..ton. 25.00 - —
standard, bgs., c.l., works.. ton. 20.00 - —
import, 40-60 mesh, bgs., ex dock..ton. 20.00 - —
70-80 mesh, bgs., ex dock. ton. 22.00 - —
100 mesh, bgs., ex dock...ton. 27.00 - —
120 mesh, bgs., ex dock...ton. 33.00 - —
Wormseed, American, bgs....lb. .19 - .20
Levant, bgs.....lb. 3.90 - 4.00
Wormwood, bls.....lb. .09 - .10

X

Xylol (xylene), com'l., dms., works..gal. .35 - —
tanks, E. of Omaha, frt. alld., gal. .30 - —
W. of Omaha, works...gal. .30 - —
tanks, E. of Omaha, frt. alld., gal. .41 - —
W. of Omaha, works....gal. .41 - —
5°, dms., works.....gal. .41 - —
tanks, E. of Omaha, frt. alld., gal. .36 - —
W. of Omaha, works....gal. .36 - —
10°, dms., works.....gal. .38 - —
tanks, E. of Omaha, frt. alld., gal. .38 - —
W. of Omaha, works....gal. .38 - —
Xylidin, mixed, dms.....lb. .35 - .36

Y

Yara yara, cryst., cns.....lb. 1.25 - 1.50
Yellow, cadmium, CP, import., bxs..lb. 1.80 - 2.50
lithopone, all shades, bbls., 1 ton, works, frt. alld. lb. .45 - —
smaller lots, same basis, lb. .50 - —
kgs., ton lots, same basis, lb. .50 - —
smaller lots, same basis, lb. .55 - —
sulphide, orange, bbls., works, lb. 1.30 - 1.40
Chrome, CP, bbls., dlvd. N of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts..lb. .14½- —
open order.....lb. .15½- —
Chrome yellow CP prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dutch, pink, bbls.....lb. .09 - .11
Mercury oxide (see M).
Ocher, Amer., golden, A, bbls., works..lb. .06¼- —
B, bbls., works.....lb. .04½- —
C, bbls., works.....lb. .03½- —
yellow, A, bbls., works..lb. .02¾- —
B, bbls., works.....lb. .02½- —
C, bbls., works.....lb. .02 - —
D, bbls., works.....lb. .0195- —
E, bbls., works.....lb. .01775- —
F, bbls., works.....lb. .01½- —
G, bbls., works.....lb. .01½- —
H, bbls., works.....lb. .01¾- —
French, all shades, cks., c.l., ex dock, Balto, Boston, N. Orleans, for import. lb. .02475- —
New York (f.o.b.)..lb. .02¾- —
Philadelphia, for import..lb. .02¾- —
Portland, Seattle...lb. .03 - —
San Pedro, S. Francisco..lb. .0290- —
l.c.l., ex dock Balto., Boston, N. Orleans..lb. .02575- —
New York.....lb. .02½- —
Philadelphia, for import..lb. .02¾- —
Portland, Seattle..lb. .03½- —
San Pedro, S. Francisco..lb. .03 - —
ex whse., Balto., Boston, N. Orleans....lb. .02725- —
Chicago, E. St. Louis, Ind'polis, K. City, Milwauk., St. Louis, lb. .03¾- —
Minneapolis .....lb. .03½- —
New York.....lb. .02¾- —
Pittsburgh .....lb. .03¼- —
Portland, Seattle..lb. .03½- —
San Pedro, S. Francisco..lb. .03¼- —
f.o.b. N. Y. from dock, lb. .02¾- —
from whse.....lb. .02¾- —
Oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, N. Y., lb. .04½- —
l.c.l., same basis.....lb. .04¾- —
synth., bbls., c.l., works...lb. .06¾- —
l.c.l., works.....lb. .07 - .07¼
Persian orange (see O).
Zinc, bbls., same basis chrome CP, contracts..lb. .18 - —
open order.....lb. .19 - —
Yellow dock root, bls.....lb. .10 - .11
Yellow root (xanthoriza), bls..lb. .09 - .10
Yerba santa leaves, bls.....lb. .08 - .09
Yohimbine hydrochloride, vls..oz. 2.50 - 2.55

Z

Zinc, arsenate, bgs., cs., c.l., dealers, E. of Rockies	.lb.	.10½- —
l.c.l., bgs., cs	.lb.	.11 - —
arsenite, bgs., c.s., c.l. dealers, of Rockies	.lb.	.10½- —
l.c.l., bgs., cs	.lb.	.11 - —
Zinc arsenate and arsenite prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for plant or whse. pick-up.		
Carbonate, tech., bbls	.lb.	.14 - .15
USP, precip., powd., bbls	.lb.	.31 - —
dms.	.lb.	.36 - —
kgs.	.lb.	.33 - —
Chloride, fused, dms., c.l., works..100 lbs.		4.25 - —
l.c.l., works	.100 lbs.	4.60 - —
gran., dms., c.l., works. 100 lbs.		5.00 - —
l.c.l., dms., works.	.100 lbs.	5.75 - —
solution, dms., works	.lb.	.04¼- —
tanks, works	.lb.	.0225- —
Cyanide, kgs., works	.lb.	.36 - .38
Dust, bbls., c.l., dlvd	.lb.	.0865- —
l.c.l., bbls., dlvd	.lb.	.09¼- —
Fluoride, bbls	.lb.	.20 - .25
Iodide, N.F., bots	.lb.	4.15 - —
jars	.lb.	4.00 - —
Metal (see daily quotations in report)		Market
Oxide, pigment, dom., Amer., process, coml., lead-free, bgs., c.l., dlvd	.lb.	.06¼- .07½
l.c.l., dlvd. except Pac. cst	.lb.	.06½- .07¾
ex whse., Pac. cst.,	lb.	.06½- .07¾
bbls., c.l., dlvd	.lb.	.06½- .07¾
l.c.l., dlvd., except Pac. cst.	.lb.	.06¾- .08
ex whse., Pac. cst.	.lb.	.06¾- .08
leaded, 5%, bgs., c.l., dlvd	.lb.	.06⅛- —
l.c.l., dlvd., except ex whse., Pac.cst.	.lb.	.06⅜- —
ex whse., Pac. cs.	.lb.	.06⅜- —
bbls., c.l., dlvd	.lb.	.06⅜- —
l.c.l., dlvd., except Pac. cst.	.lb.	.06⅝- —
ex whse., Pac.cst.	.lb.	.06⅝- —
35%, bgs., c.l., dlvd.	.lb.	.06¼- —
l.c.l., dlvd., except Pac. cst.	.lb.	.07½- —
ex whse., Pac.cst.	.lb.	.06½- —
bbls., dlvd	.lb.	.06¼- —
l.c.l., dlvd., except Pac. cst.	.lb.	.06¾- —
ex whse., Pac.cst.	.lb.	.06⅝- —
Zinc, oxide, pigment, dom., Amer. process, leaded, 50%, bgs., c.l., dlvd	.lb.	.06⅜- —
l.c.l., dlvd., except Pac. cst.	.lb.	.06⅝- —
ex whse., Pac. cst.	.lb.	.06⅝- —
bbls., c.l., dlvd	.lb.	.06⅝- —
l.c.l., dlvd., except Pac. cst.	.lb.	.06⅞- —
ex whse., Pac. cst.	.lb.	.06⅞- —
French process, coml., lead-free, bgs., c.l., dlvd.	lb.	.06¾- .07½
l.c.l., dlvd., except Pac. cst.	.lb.	.06½- .07⅝
ex whse., Pac. cst.	.lb.	.06½- .07⅝
bbls., c.l., dlvd	.lb.	.06½- .07⅝
l.c.l., dlvd., except Pac. cst.	.lb.	.06⅞- .08
ex whse., Pac. cst.	.lb.	.06⅞- .08
green seal, ogs., c.l., dlvd.,	lb.	.08 - —
l.c.l., dlvd., except Pac. cst.	.lb.	.08¼- —
ex whse., Pac. cst.	.lb.	.08¼- —
bbls., c.l., dlvd	.lb.	.08¼- —
l.c.l., dlvd., except Pac. cst.	.lb.	.08½- —
ex whse., Pac. cst.	.lb.	.08½- —
red seal, bgs., c.l., dlvd.	lb.	.07½- —
l.c.l., dlvd., except Pac. cst.	.lb.	.07¾- —
ex whse., Pac. cst.	.lb.	.07¾- —
bbls., c.l., dlvd	.lb.	.07¾- —
l.c.l., dlvd., except Pac. cst.	.lb.	.08 - —
ex whse., Pac. cst.	.lb.	.08 - —
white seal, bgs.,c.l., dlvd.	lb.	.08½- —
l.c.l., dlvd., except Pac. cst.	.lb.	.08¾- —
ex whse., Pac. cst.	.lb.	.08¾- —
bbls., c.l., dlvd	.lb.	.08¾- —
l.c.l., dlvd., except Pac. cst.	.lb.	.09 - —
ex whse., Pac. cst.	.lb.	.09 - —
Zinc, oxide, pigment, import., gold seal, cks, ex whse	.lb.	.13 - .14
green seal, bbls., ex whse.,	lb.	.10 - —
white seal, cks., ex whse.,	lb.	.11 - .12½
Oxide, USP, bbls., c.l	.lb.	.09½- —
Palmitate, bbls	.lb.	.23 - .25
Resinate, fused, pale, bbls	.lb.	.10 - —
precip., dms., dlvd	.lb.	.15 - —
Stearate, tech., precip., bbls., ctns., c.l	.lb.	.20 - —
l.c.l., 1 ton	.lb.	.21 - —
1,000-2,000 lbs	.lb.	.22 - —
less than 1,000 lbs	.lb.	.23 - —
USP, bbls	.lb.	.21 - —
Sulphate, cryst., bgs., c.l.	.100 lbs.	3.15 - —
l.c.l.	.100 lbs.	3.90 - —
bbls., c.l.	.100 lbs.	3.30 - —
l.c.l.	.100 lbs.	4.00 - —
flake, bgs., c.l.	.100 lbs.	3.00 - —
l.c.l.	.100 lbs.	4.35 - —
bbls., c.l.	.100 lbs.	3.75 - —
l.c.l.	.100 lbs.	4.50 - —
powd., bgs., c.l.	.100 lbs.	5.00 - —
l.c.l.	.100 lbs.	5.75 - —
bbls., c.l.	.100 lbs.	5.15 - —
l.c.l.	.100 lbs.	5.90 - —
Sulphide, bgs., c.l. (20 tons), dlvd	.lb.	.09 - —
l.c.l., dlvd. E. or ex whse., Pac. cst	.lb.	.09¼- —
bbls., c.l. (20 tons), dlvd	.lb.	.09¼- —
l.c.l., dlvd. E. or ex whse., Pac. cst	.lb.	.09½- —
Sulphocarbolate, NF, bbls	.lb.	.24 - .26
Zinc-ammonia chloride, dms., c.l., works..100 lbs.		5.15 - —
l.c.l., works	.100 lbs.	5.50 - —
Zinc-iron oxide, pigment, bgs., c.l., dlvd	.lb.	.05 - —
l.c.l., dlvd. except Pac. cst	.lb.	.05½- —
ex whse., Pac. cst	.lb.	.05½- —

Zinc Ars.—Zirconium

Zirconium nitrate, kgs., works	.lb.	3.50 - 4.00
Oxide, crude, 73-75%, grd., bbls., works	.ton.	75.00 -100.00
kgs., small lots, works	.lb.	.04¼- .04½
white, 98%, grd., kgs., works.	lb.	1.40 - 1.62

Synthetic Resins
and other
Branded Paint Materials
(Manufacturers' List Prices)

Note:—The list of prices previously printed weekly under the above heading is now printed once a month. The latest printing was in the July 5 issue; the next printing will be in the Aug. 2 issue. Changes in prices—if any—made during the past week are noted in the report on the Paint, Varnish, and Lacquer Materials Market, which begins on page 37

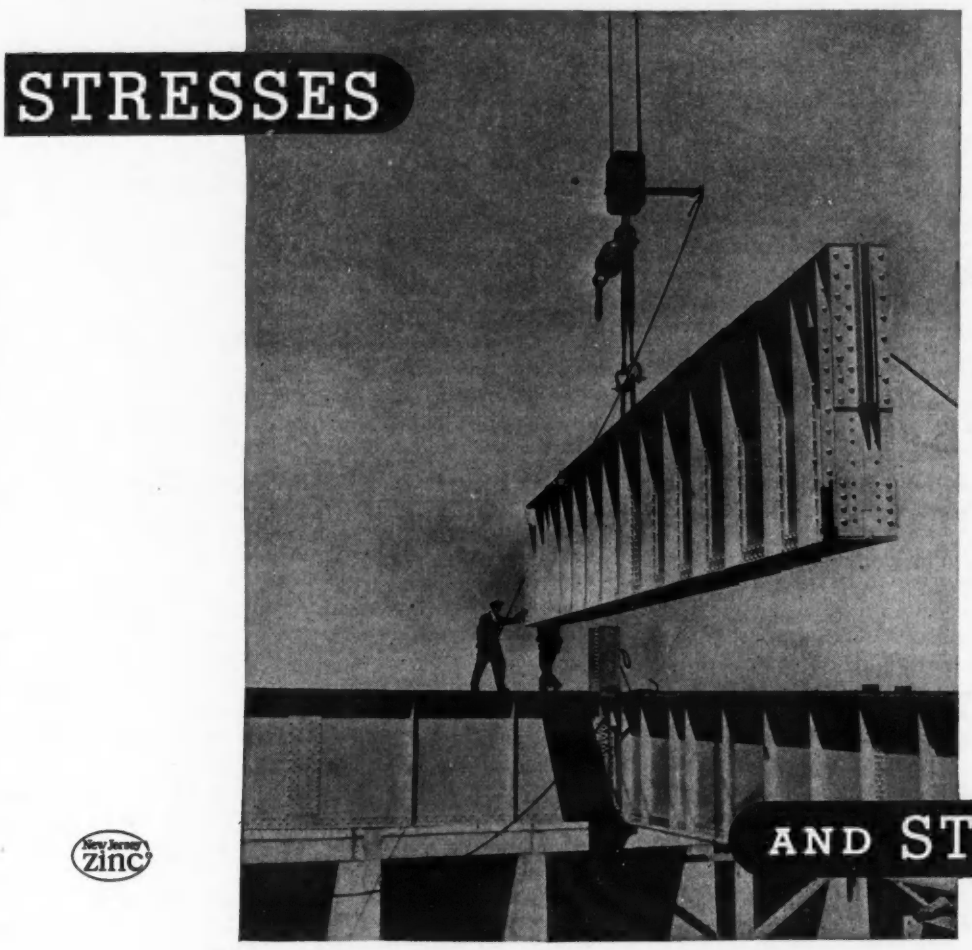
London Drug and Oil Data

Stocks of drugs and oils in London public warehouses, May 31, 1937 and 1936, and the movement of these goods into and out of such premises during May, this year, were as follows:—

	Landed.	Delivery.	Stocks 1937.	Stocks 1936.
Shellac, orange, cs	5,325	1,784	139,789	128,141
garnet, cs	340	270	1,267	1,259
button, cs	743	598	1,442	1,087
Totals	6,408	2,652	142,498	130,487
Quinine sulphate, lbs	...	...	...	...
Cinchona bark, South American, cs	...	...	...	...
bales, etc	...	...	...	...
East India, Ceylon, and Java, cs	...	...	...	...
bales, etc	105	22	564	821
Totals	105	22	564	821
Aloes, cwts	35	26	365	234
Anise, Star, cwts	...	112	352	48
Arrowroot, bbls	...	386	2,008	1,662
boxes and tins	...	...	...	...
Balsam, cwts	14	74	63	61
Cascara sagrada, tons	26	26	68	45
Tanners' bark, tons	...	...	...	...
Beeswax, pkgs	928	790	2,799	2,935
Japan wax, cs., etc	143	77	516	369
Camphor, pkgs	120	71	317	394
Cardamoms, cwts	257	236	299	329
Cochineal, bgs	35	24	59	47
Coculus indicus, bgs	...	...	...	...
Colombo root, bgs	...	...	2	223
Cubebs, bgs	98	99	...	6
Dragon's blood, cs	...	10	165	179
Nutgalls, China and Japan, cs	102	144	906	638
Turkey and Persian, bgs.	...	6	236	175
Gum, ammoniac, pkgs	2	3	28	31
animi, pkgs	...	62	355	441
copal, pkgs	3,104	3,296	13,704	20,554
arabic (all descriptions), pkgs	4,824	2,944	11,908	12,511
asafetida, cwts	...	10	364	416
benzoin, cwts	12	44	812	927
dammar, pkgs	1,594	1,070	6,282	5,325
gamboge, cwts	21	...	38	38
guaiac, cwts	...	8	55	150
elemi, pkgs	...	...	...	...
kauri, tons, net	19	22	119	174
mastic, pkgs	25	4	68	47
myrrh, East India, pkgs.	11	2	19	120
olibanum, pkgs	26	10	225	253
sandarac, pkgs	90	74	151	219
tragacanth, pkgs	835	223	2,776	6,261
Ipecac, Mattogrosso, cwts.	9	34	80 }	...
Other sorts, cwts	1	9	70 }	292
Jalap, cwts	...	...	21	21
Myrabolans, tons	7	6	2	2
Nux vomica, cwts	...	53	59	529
Oils, castor, cwts	492	489	87	81
palm, tons	...	...	...	...
coconut, tons	10	13	40	77
olive, casks, etc	794	894	989	996
*anise, cwts	13	12	15	37
*cassia, cwts	7	7	18	7
Graphite, tons	36	37	16	23
Rhubarb— Chinese rhapontica, tons	96	35	172	195
Saltpeter, nitrate potas., tons	...	4	13	7
Soda nitrate, tons	758	558	1,462	1,346
Sarsaparilla, cwts	51	48	236	387
Senna, bls	429	266	3,050	4,125
Sticklac, cs	1,020	715	2,465	2,591
Gambier, tons	12	13	6	7
Cutch, tons	...	2	8	9
Turmeric, Bengal, tons	...	2	16	73
Madras, Cochin, etc., tons	48	36	99	165
Total tons	48	38	115	238

* Stocks at certain wharves not included.

Cabot Shops, Inc., Pampa, Texas, has awarded a contract to the Rust Engineering Company, Pittsburgh, for the design and construction of two reinforced concrete carbon black storage bins. The bins will have a diameter of 40 feet and height of 150 feet, with 8-inch walls. Work will begin this month.



New Jersey Zinc

• • • *In paint films, too*

CABLE AND OUTSIDE PAINT have one thing in common—both are subjected to stresses and strains in service.

Internal pressures are created as a paint film ages and the vehicle begins to lose its flexibility. These pressures, if not properly distributed, cause slight ruptures on the surface at first and, eventually, the common cracking and checking failure. This is now an established fact.

Further research proved that it can be a function of the pigment, through its particle structure, to relieve these stresses and strains and thereby extend the useful life of the paint film.

As a result, Cryptone MS-130, the zinc sulphide-magnesium pigment, was designed to provide the paint film with that property to enable it to "give and take" under these stresses and strains. Cryptone MS-130 introduces the effect of film distensibility, producing plasticization without attendant softness.

If you have not tested Cryptone MS-130, use the coupon to obtain a free sample.

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Send me a sample of Cryptone MS-130.

(For Paint Manufacturers only)

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CRYPTONE MS-130

ZINC SULPHIDE-MAGNESIUM PIGMENT

Oil, Paint and Drug Reporter

Founded October 18, 1871, by William O. Allison

Published every Monday by Oil, Paint and Drug Publishing Company, Inc., Harry J. Schnell, President and Treasurer; Frank V. Baldwin, Vice-President; Daniel G. Bogert, Secretary. Address 12 Gold Street, New York, New York. Telephone JOhn 4-2357. Cable Address Reporter New York.

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Vol. 132 July 12, 1937 No. 2

It is difficult to see how the proposal to impose a substantial tax on the manufacture and importation of sugars can serve the stated purpose of the proposing congressional bill (H. R. 7667)—"to protect the welfare of consumers of sugars." It is impossible to see how anything other than economic disaster for manufacturers and consumers of thousands of articles can result from the application of this tax to blackstrap molasses used in the distillation of alcohol.

Blackjacking Blackstrap

This bill is fundamentally discriminatory in that it provides for the refunding of the tax on sugar used as or in livestock feed, but taxes all sugar for human consumption. It is peculiarly discriminatory, by reason of a last-minute amendment that eliminates the originally proposed exemption of the industrial use of blackstrap molasses in the distillation of alcohol. In this it discriminates against manufacturing industry as a whole, including the domestic sugar industry, for the doubtful benefit of a division of agriculture—the purpose of the tax is to promote the use of corn in the distillation of alcohol.

The proposal to tax blackstrap molasses, a strictly industrial material, is economically unsound from several angles. It would add something like $6,000,000 to the cost of a year's supply of alcohol for industrial and mechanical use. It would deprive domestic manufacturers of cane and beet sugars of a market for an inedible by-product which they have been able to sell at around 6 cents per gallon. It would not increase the consumption of corn in the distillation of alcohol, because this material would cost too much, and furthermore, the industrial alcohol distilling industry would be decimated, and the production of industrial alcohol would become largely a process of chemical synthesis.

There are delicate balances in manufacturing economy of which most legislators know absolutely nothing. One of these is in the realm of industrial alcohol where relative costs determine the selection of a raw material and that of the finished solvent in a thousand processes. This balance would be disastrously disturbed by the taxing of blackstrap molasses for distillation use. Congress must be plainly told by all industry—including agriculture—that this disaster must be avoided.

There is much to interest the paint industry of the United States in the item recently printed in the Reporter, which told of the locating of a paint factory in Cuba by one of the well-known British manufacturing concerns. The significance of this venture is increased by reports that Cuban sugar companies—one of the largest paint-using groups in that country—are more noticeably showing a preference for paints of domestic manufacture.

British Paint For Cuba

Cuba has been a good market for paints and related products made in the United States. Manufacturers in this country were given an additional advantage over European competitors in concessions granted in the tariff bargain between the United States and Cuba. This advantage will be substantially lessened if and when European manufacturers start producing paints, varnishes, and other finishes in Cuba. Not only will these manufacturers have the advantage of the Cubans' growing preference for domestically manufactured goods; they will be benefited by lower production costs in which wages are the most influential item.

Some advantage will remain for United States exporters of paint and varnish materials because of the preferential treatment of these articles in the tariff bargain. This advantage may be largely theoretical, because British manufacturers, as well as those of other European countries, have a firmly fixed preference for materials from their homeland. The higher duty on these materials is frequently offset by lower costs at home, and in this connection it must not be overlooked that export bounties are rather common in Europe.

A particularly interesting aspect of the British paint venture in Cuba is the potentiality of this enterprise for the development of trade with South and Central American countries. There is a bond among the Spanish-speaking peoples of the Western Hemisphere which is a potent influence in trade, as well as in social relations. United States manufacturers are cognizant of this and may see in it an added reason for giving serious thought to the establishment of manufacturing plants in Latin American countries. Although conditions are far different from those under which they are accustomed to operate and can be quite irksome, such undertakings are in many instances the only means by which manufacturers in the United States who have a desire for foreign markets can overcome the handicap of their high production costs at home.

In immediate analysis it is clear that a reputable British manufacturer, having the advantage of "playing on home grounds," will offer serious competition for the American paint industry in the Cuban market and in those beyond the Caribbean.

—O-P-D—

Among the several interesting points presented in the decision of the Wisconsin supreme court upholding the State fair trade act, one is of broad significance. This is not the dictum that contracts under the statute do not affect interstate commerce; it is the invalidation of the exemption of cooperative organizations.

No Favor for Cooperatives

In appraising the Wisconsin court's defining of the interstate nature of contracts under the fair trade act, due weight must be given to the fact that, although the complaining manufacturer is an Illinois corporation and has its main offices in that State, it has been licensed to do business in Wisconsin for almost two years. But, the ruling is clear-cut that an exception in favor of any type of distribution is in conflict with the valid purpose of a fair trade act—the protection of the goodwill reposing in a trademark or other indication of proprietorship.

Although there is some question whether a cooperative organization might not be legally exempted from the requirements of a fair trade law if it confined its sales wholly to its members, the general application of law must follow the lines laid down by the Wisconsin court or impose on the cooperative a burden of adequate proof that its set-up was not designed, at least in part, with a purpose of evasion.

It does not follow from the Wisconsin court's ruling that a cooperative organization of consumers or of distributors is prohibited from distributing to its members participation dividends which may be even wholly earned on transactions in contractually priced articles. Although this may be tantamount to cutting the price, it is a part of a peculiar relationship of which even the Patman act takes cognizance. The situation with respect to prices is the same as that in the relationship of a corporation to a stockholder who is also a customer.

The significance of the Wisconsin court's ruling is that a cooperative organization can have only the advantage of cheaper service over an ordinary distributor in the sale of contractually priced articles; it cannot have also the advantage of a lower gross price. This may mean much or little with respect to the trend of distribution. To the cooperative it means that the favors it can expect from legislators are limited. To the ordinary distributor it means that his service must be so much better that it is worth its higher cost.

—O-P-D—

Two largely dissimilar bills have been passed by the two houses of Congress in furtherance of the idea that the national welfare would be benefited by enabling farm tenants to become farm owners. The soundness of this idea is acceptable fundamentally. In practical application it is open to questioning. But, it is practically certain that it will be launched as another governmental venture in investing in economic possibilities.

Farm-Owning Advice Needed

For this reason it is well that manufacturing industrialists, especially those making fertilizers or other agricultural chemicals and those making farm equipment, give serious thought to the form in which this venture is undertaken. Even a slight acquaintance with the two congressional proposals will serve to show that the Bankhead bill passed by the senate is greatly to be preferred to the Jones bill which the house has approved. The former is a sound credit plan available only upon proof of deserving purpose and ability on the part of the borrowing tenant. The Jones bill offers easy credit, invites speculation rather than serious operation, and is practically a hand-out from which little permanent benefit could be expected.

Manufacturers and other sellers who have a direct interest in the soundness and profitableness of agricultural practice should see to it that those whom they know in Congress are properly advised, so that their influence, either as members of the interhouse conference or with its members may get approval for the senate measure. It is of the greater value to agriculture and will be of the lesser cost to taxpayers as a whole.

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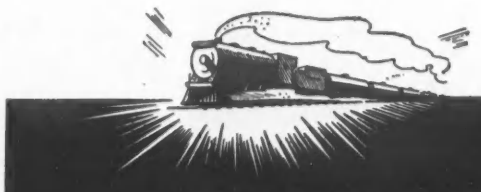

SERVICE From Coast to Coast

Solvay Corp. Appoints Stauff Sales Director

John Stauff has been appointed director of sales for the Solvay Sales Corporation, a subsidiary of the Allied Chemical & Dye Corporation. Mr. Stauff, affiliated with the Solvay company since 1921, succeeds W. B. Blair, who has been named director of research and planning. L. B. Gordon, western sales manager for sometime, has been chosen assistant director of sales. The sales personnel otherwise remains unchanged, with A. B. Chadwick as executive vice-president; Harold Merritt, vice-president in charge of sales, and Charles Grossman, New York district sales manager.

Products manufactured by the Solvay Process Company include soda ash, caustic soda, nitrite of soda, liquid chlorine, calcium chloride, caustic potash, carbonate of potash, and paradichlorobenzene. Branch offices are maintained in Boston, Charlotte, Chicago, Cincinnati, Cleveland, Detroit, Indianapolis, Kansas City, New Orleans, Philadelphia, Pittsburgh, St. Louis and Syracuse.

Murray Oil Products Engages Dr. Schuelke

The Murray Oil Products Company, industrial oils and chemicals, this city, reports the establishment, in co-operation with Dr. Erich Schuelke, of a fatty acid department to supply the industries with all technical grades of vegetable and animal fatty acids. Dr. Schuelke will have full charge of the department. His long experience in the manufacture and industrial application of fatty acids will enable him to give full technical cooperation with the consuming industries. He is in position also to give advice on costs. Dr. Schuelke will continue to manufacture and distribute esters and other derivatives of fatty acids and related products through Colloid Chemical Laboratories, as before.

Lime Freight Cuts Authorized by I.C.C.

The Interstate Commerce Commission has granted authority for establishment, under certain conditions, of new freight rates on lime, common, hydrated, quick, or slaked, in carloads, between points in New England territory and from Central territory to Eastern trunkline territory and for maintenance of higher rates to intermediate points.

The new rates will result in reductions in most cases and are authorized to allow carriers to compete with shippers outside New England territory, whose product moves under a lower scale of rates.

The commission said that the applicants, a group of carriers, proposed a general readjustment of rates on lime, and commented that the present rates are not on any uniform basis.

The commission has granted authority, under certain conditions, for establishment of lower rates on common and hydrated lime, straight or mixed carloads, from points in Western Trunkline, Southwestern, and Illinois Freight Association territories to points in Western Trunkline and Illinois Freight Association territories, Wyoming, and southern Missouri, and maintenance of higher rates to intermediate points. The lower rates were ordered to bring the rate scales into proper adjustment with those now in effect in adjoining territories.

The Atlantic Shell Company, Jacksonville, Fla., has filed with the commission a complaint against rates on crushed or ground oyster shells from points in Georgia, Louisiana, Florida, Virginia, Maryland, and New Jersey to destinations in Northern and Central States and in Canada.

Insect Pest Appropriation Approved by Senate Unit

WASHINGTON, July 7, 1937.

The senate committee on appropriations has reported favorably a house joint resolution providing for an appropriation of $1,000,000 for the control of insect pests.

The measure (H.J.Rs.319) passed the house last week, and it makes available a sum authorized in an earlier act. In its report on the bill the house appropriations committee indicated that the money was for the purchase and transportation of poisoned bait in areas where outbreaks of insect pests are most likely to occur. The fund would be administered by the Department of Agriculture and would remain available until June 30, 1938.

Heavy Chemicals

Broad Demand for Chlorine — Anhydrous Ammonia Active —Tungsten Derivatives Nominal—Tin Salts Firmer—Good Call for Ammonia Alum—Antimony Metal Dull

Business in the market for industrial chemicals was extremely quiet during the week just closed. Seasonal curtailment in production schedules in many of the light and heavy industries, together with widespread labor unsettlement, were factors sufficient to slow the general call. However, the dull character of buying failed to disturb the general price structure.

Producers of chlorine reported a substantial demand was in evidence; in fact, the seasonal demand was said to have reached proportions equivalent to actual production. Anhydrous ammonia, methyl chloride and ammonia and potash alums were in heavy demand. Agricultural insecticides and fungicides moved at an irregular pace. The steel industry continued to be upset by labor trouble, and the automobile industry was curtailing operations, making final plans for changing over to 1938 models. Some units of the textile and tanning industries were at lower operating levels, reflecting seasonal influences, as well as the labor question. Soda silicofluoride was unchanged. Tungsten derivatives were nominal because of the fluctuations in the basic product. Tin salts were firmer. Antimony metal was dull.

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

None

Comparative Values

Index numbers compiled from twelve typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
154.4	154.4	154.3	153.3

Index numbers compiled from twelve typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
99.8	99.8	99.6	99.4

Market news that may have developed after this report was sent to press will be found on page 4.

Alums.—A good demand was reported for ammonia and potash alums during the week just ended. Sellers reported prices were firm at the levels established July 1. The call for commercial and iron-free sulphate was fair. Prices ruled firm. The call for soda alum was fair. No change was noted in quotations.

Ammonia, Anhydrous.—A substantial demand was reported for this product again last week. The warmer weather was a factor bringing about the heavy demand against contracts. Prices continued decidedly firm.

Ammonia, Aqua.—A slower demand was reported for this product during the week just closed, manufacturing consumers in all directions were withdrawing material sufficient to cover for immediate wants only.

Ammoniac, Sal.—A fair buying movement was reported for this product, the battery trade and other routine consumers supplied the interest. Prices ruled firm at previous levels.

Antimony.—Business in the market for the metal continued slow throughout the week. Prices ruled steady.

Antimony Oxide.—There was little to report in this market again last week, the ceramic trade and other usual consumers were withdrawing supplies at a slow pace. No change was uncovered in quotations.

Arsenic.—The market for white arsenic continued quiet during the week. Prices ruled firm. There was a slow demand in the market for red arsenic, sellers were asking prices in effect previously.

Barium Salts.—A fair buying movement was reported for barioum chloride during the week. No change was uncovered in quotations. Business in hydrate and nitrate continued irregular, with a steady tone noted. The call for barium carbonate was spotty.

Bleaching Powder.—A broad buying movement continued to be noted in this market, a firm tone was in prominence. Sellers reported a good volume of business on the books for forward delivery.

Blue Vitriol.—Shipments were moving against contracts at a fair pace during the week. A firm tone prevailed. Firmness in the price structure could be traced to continuance of a similar tone in the basic metal.

Calcium Carbide.—Business was good. Prices were firm. The customs duty on calcium carbide imports in Chile was recently increased by decree from 50.00 to 67.50 gold pesos a gross metric ton, the maximum permissible under the flexible provisions of the Chilean customs tariff law. It is indicated that the local producer will seek further protection through congressional action, according to a report from the asssistant Commercial Attache at Santiago.

Calcium Chloride.—A fair buying movement was reported in this market again last week. Prices were unchanged.

Carbon Tetrachloride.—An active inquiry was noted in this direction again last week, the call coming from routine sources. Prices held unchanged.

Chlorine.—The heavy call was equivalent to actual production, resulting in a decidedly firm tone. At the same time sellers reported that July commitments were substantial. No change was uncovered in quotations.

Copper.—A firm tone was noted here, the call being fairly active. Firmness in the price tone resulted from a better price tone in the foreign market.

Exports of copper from the United States in May were valued at $9,880,966 compared with $7,811,651 in April and $3,625,679 in May, 1936, according to the Department of Commerce. A large proportion of the foreign shipments during the month was made up of copper which had been imported for refining and for re-exportation. The outstanding item in the trade for the month was the foreign shipment of 60,472,772 pounds of refined copper in ingots, bars and other forms, valued at $8,715,805. Foreign sales of copper rods totaled 3,933,239 pounds, valued at $584,786, while exports of old and scrap copper were recorded at 2,400,452 pounds, valued at $302,554, it was stated. Imports of copper into the United States in May were valued at $3,431,736, compared with $3,602,640 in April and $2,537,730 in May, 1936, Commerce Department statistics show. Included among the month's imports were 18,310,579 pounds of unrefined copper in pigs or converter bars, valued at $2,477,460; 5,040,982 pounds of refined copper in cathodes, ingots, plates, or bars, valued at $693,230; and copper concentrates totaling 954,031 pounds, valued at $119,226, according to the Commerce Department.

Copperas.—Demand continued at a good pace throughout the week. Quotations were held steady to firm. Steel mill operations were lower last week as a result of the shutdown over July 4.

Feldspar.—A good demand was reported in this market again last week. No change was disclosed in quotations. The ceramic industry furnished the major portion of the inquiry.

Fluorspar.—A decidedly firm tone was in evidence here again last week, the steel industry was withdrawing a sizable amount of supplies. Prices were without change.

Methyl Chloride.—A substantial buying movement was reported here, the warmer weather stimulating the call. Prices were firm at the levels established July 1.

Nickel Salt.—This market revealed little change during the course of the week just ended, the call continued along conservative lines. Prices ruled at the levels in force previously.

Potash, Caustic.—Demand in this market was fairly good at times during the week, the chemical trade and other routine consumers were covering for nearby requirements. Prices were firm.

Potash Chlorate.—Demand here was quiet, sellers were holding to prices in order previously. The July 4 fireworks business failed to measure up to the volume of the preceding year, reflecting the additional legislation in

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

Manganese Chloride
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Local delivery tank truck service throughout the Metropolitan New York area.
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CHURCH & DWIGHT CO.
70 PINE STREET Phone Digby 4-2181 NEW YORK CITY

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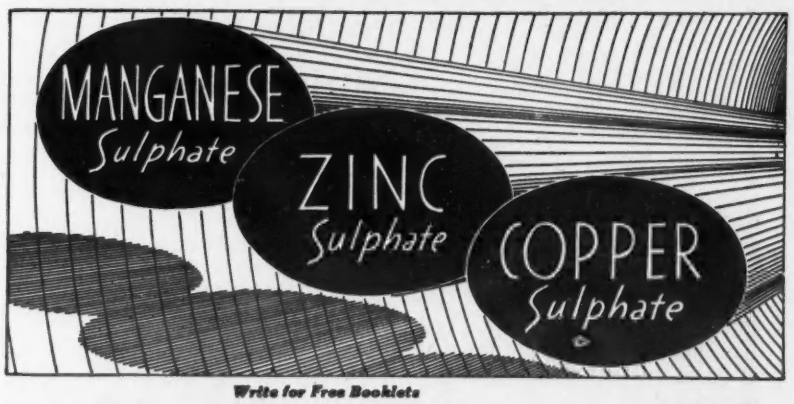

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States banning the use of fireworks. Exports of chlorate from Sweden in 1936 amounted to 4,519 metric tons, against 4,887 metric tons in the preceding year. Production of chlorate in Sweden in 1936 was estimated at 5,200 tons, against 5,604 tons in the preceding year.

Potash Permanganate.—A fairly good good call was shown for this product again last week, prices ruled at the levels in force previously.

Saltcake.—A broad buying movement was noted for this product, a good interest being shown by the paper trade. Prices were unchanged. Preliminary statistics for the first four months of 1937 show imports of 67,379 short tons of saltcake, compared with 41,022 short tons imported into the United States in the corresponding months of 1936.

Soda Ash.—A good demand was noted in this market again last week, prices ruled steady to firm.

Soda, Caustic.—This market displayed a firm price tone during the week, sellers reporting a substantial movement was noted against contracts.

Soda Chlorate.—Shipments continued to move at a fair pace during the week.

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	Boiling Point °F.	Lb. per Gal.
Dichlormethane		
Dichlorethylene—"Di-48"	119.1	10.49
Dichlorethylene—"Di-60"	140.5	10.70
Dichlorethylene—"Di-48-60" (Mixture of Di-48 and Di-60)	119.1	10.61
Chloroform	142.2	12.43
Carbon Tetrachloride	170.1	13.31
Trichlorethylene	188.1	12.20
Trichlorethane (Beta)	236.3	12.04
Tetrachlorethylene (Perchlorethylene)	249.4	13.55
Tetrachlorethane (Acetylene Tetrachloride)	295.3	13.31
Pentachlorethane	323.4	14.00

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No change was uncovered in quotations.

Soda Cyanide.—The plating trade continued to withdraw a fair amount of supplies. Prices ruled firm.

Soda Fluoride.—An active inquiry was reported again last week. Quotations were steady to firm.

Soda Nitrite.—A fair demand was reported for this product. Sellers were holding to previously established prices.

Soda Phosphate.—A firmer tone was noted in the market for di and tri-basic soda phosphate. Sellers reported third quarter business was being booked at scheduled prices.

Soda Silicofluoride.—This market noted a spotty demand throughout the week under review, no change was disclosed in quotations.

Tin Salts.—A firm tone prevailed in the market for the various tin salts, reflecting a general upward tendency noted in the basic metal. Additional allotments totalling 3,656 long tons of tinplate scrap have been assigned to five producers of that commodity, in accordance with the provisions of paragraph (5) of the statement of procedure announced by the Acting Secretary of State on December 7, 1936, making a total of 23,847 long tons which has been assigned to fifty-one purchasers for export, subject to license, during the calendar year 1937.

Acids

Business in the market for acids continued at good pace during the week just closed. Sellers reported quotations were steady to firm. Sellers of sulphuric acid reported a substantial buying movement, with considerable business having been booked for third quarter delivery at the slightly higher levels. The call for muriatic acid was fair. Business in nitric acid was good at times. Lactic acid business was good, the beverage trade furnished the major portion of the interest. Prices for formic acid noted a steady tone. Acetic acid was firm. Battery acid demand held up well.

Acetic.—Demand was fair during the period under review. Prices ruled unchanged.

Battery.—Business in this market continued at a fairly good clip. No change was uncovered in quotations.

Chromic.—Shipments were moving out at a fair pace throughout the week. No change was disclosed in quotations.

Formic.—A fairly good interest was disclosed in this market. Prices ruled firm.

Lactic.—This market was much the same as in the preceding period, with the possible exception that demand was a pace better. Quotations were unchanged.

Muriatic.—Another good inquiry was reported in this market again last week. A firm tone governed the dealings.

Nitric.—Demand here was irregular, but the market displayed a steady to firm price tone.

Sulphuric.—Shipments were moving out at a consistent pace throughout the period under review. No change was noted in prices, with sellers booking third quarter business at the slightly higher price levels. Steel mill operations were lower.

Baltimore, July 7.—Conditions with respect to the distribution of sulphuric acid have remained about as they were, with supplies of acid still scarce and with prices anything sellers with acid to dispose of can well ask. So far the progress made in the matter of increased production has not reached the point where all or nearly all wants can be promptly met, though new facilities for meeting market requirements are being advanced and these additions should sooner or later suffice to take care of all needs. As this shortage is manifesting itself at a time when many of the manufacturers of fertilizer mixtures are not active, it is at least a reasonable assumption that when work in the plants proceeds on a broader scale even the new additions to output now under way will not result in any congestion of the market for acid. Moreover, the requirements of other industries that have been hampered in their operations by strikes and other troubles, should sooner or later augment their acid wants, thus taking up any slack that might possibly develop. The nominal quotations remain at $12 per ton for 60 degree and at $15 per ton for 66 degree acid, in carload lots. Oleum is still quoted at $17 per ton for 20 percent stocks.

Insecticides

Demand in the market for agricultural insecticides and fungicides was fair. Prices ruled firm. Grasshoppers are becoming destructive in Colorado, Iowa, Nebraska, Kansas, Montana, Wyoming, the Dakotas, Missouri, Oklahoma, Texas, Arkansas, and Illinois, according to reports to the Department of Agriculture. More local outbreaks are occurring in New Mexico, Arizona, Utah, California, Minnesota, and Michigan. Hopper numbers exceed expectations in the Panhandles of Oklahoma and Texas and in South Dakota. They are fully as abundant in other areas as forecast by the Bureau of Entomology and Plant Quarantine this year. Cold, wet weather, usually hard on grasshoppers, has not checked them appreciably this year. Warm, wet weather favors the growth of a fungus on the grasshoppers—the most effective natural control of the pest. The cold delayed hatching of hopper eggs in many places, so that the very young grasshoppers—the most vulnerable stage—were not exposed in large numbers during the critical time. Grasshoppers already have damaged small grains, truck crops, alfalfa, and cotton, and they remain an ever-present threat to more of these, as well as to corn and other later crops. According to Doctor Annand, the use of poison bran bait—materials for which are being distributed by the Federal Government in cooperation with the States—is the most effective control for these insects. It is being used to good effect in all the heavily infested areas.

Calcium Arsenate.—Demand was irregular during the week. Prices were unchanged. The Crop Reporting Board informed that as of July 1 the cotton acreage amounted to 34,192,000 acres, against 30,960,000 acres in 1936.

Lead Arsenate.—A fair demand was reported for this product. A firm tone was in evidence.

Nicotine Sulphate.—Demand was fair during the week. No change was uncovered in quotations.

Liquid Carbonic Increases Stock

Liquid Carbonic Corporation shareholders have approved an increase in the authorized capital stock of the company from 400,000 shares to 1,200,000 shares, and the issuance of one additional share for each of the 350,000 shares presently outstanding. Of the 500,000 authorized additional shares to be unissued, a part will be reserved for conversion of a proposed new issue of $3,500,000 of convertible debentures which the company expects to register soon with the Securities and Exchange Commission.

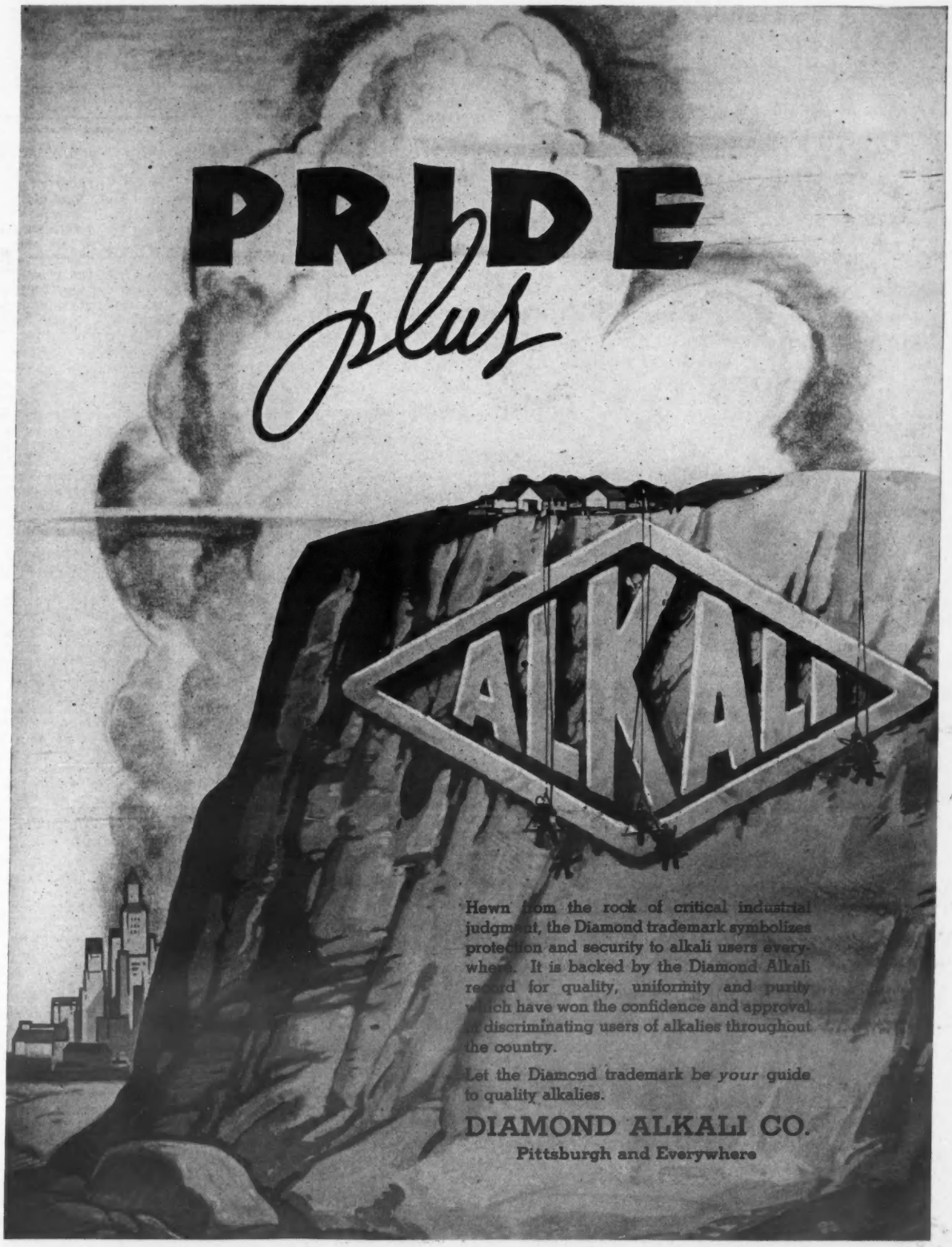
Chlorine Gas Rate Cut Denied

An application for a reduction on rates on liquefied chlorine gas, tankcar loads, from Hopewell, Va., to Kreole and East Moss Point, Miss., has been denied by the Interstate Commerce Commission. The petition asked for authority to maintain higher rates to intermediate points, and pointed to competition of an all water route as the basis for the request. The commission, in its report, found the figures presented did not justify the reduction.

Cellulose Plastics Output

Production of cellulose plastic products in the United States in April, 1937, as reported to the Bureau of Census by 10 manufacturers, totaled 1,691,935 pounds of nitro-cellulose, sheets, rods, and tubes, and 1,410,637 pounds of cellulose acetate, sheets, rods, and tubes, compared with 1,388,453 pounds and 1,221,442 pounds, respectively, for April, 1935. Shipments for April, 1937, totaled 1,628,123 pounds of nitro-cellulose, sheets, rods, and tubes, and 1,313,175 pounds of cellulose acetate sheets, rods, and tubes, compared with 1,319,445 pounds and 1,096,612 pounds, respectively, for April, 1936. Production for the first four months of 1937 totaled 7,177,206 pounds of nitro-cellulose sheets, rods, and tubes, and 5,154,891 pounds of cellulose acetate sheets, rods, and tubes, compared with 5,163,933 pounds and 3,472,690 pounds, respectively, for the corresponding period of 1936. Shipments totaled 6,516,110 pounds of nitro-cellulose sheets, rods, and tubes, and 5,216,375 pounds of cellulose acetate sheets, rods, and tubes, compared with 4,957,868 pounds and 3,515,140 pounds, respectively, for the same period of 1936.

M. F. Austin, manager of the vegtable oil department of W. R. Grace & Co., this city, returned July 6 from three weeks' vacation at Rangeley Lakes, Maine.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Coaltar Chemicals

General Demand Continues Active—Crude Naphthalene Slightly Higher—Benzol Firmer—Xylol and Cresylic Acid Shortage Unrelieved—Phenol Prices Strong—Colors Steady

Business in the market for coaltar chemicals continued at a good pace during the week just closed. The market appeared firmer in the basic products, the unsettlement in the steel industry over the question of labor was a factor influencing both the call and general price structure. Xylol and cresylic acid continued in short supply. Crude naphthalene was slightly higher. Steel plants of certain major independent operators were opened last week, with the back-to-work movement said to have gathered such momentum that normal production levels were expected to be reached within the next week. However, CIO representatives were refuting the claims made by the operators, in connection with the number of employees returning. Steel mill operations last week were estimated 67.3 percent of capacity, against 75 percent in the previous week by the American Iron and Steel Institute, June ingot output was estimated to have been close to 1,000,000 gross tons lower than the May output.

This unsettlement in the steel industry was a prominent factor influencing sellers as well as consumers to build up moderate inventories, wherever such was possible, but reports insisted that the call for xylol was in excess of supplies. Cresylic acid continued in short supply. Benzol demand was good. Creosote oil prices were firmer. Crude naphthalene shared in the firmer price structure of the general market, the domestic product in particular was much firmer. Creosote oil was in good demand. Phthalic anhydride call was broad. Colors were steady.

Reports from abroad stated that the general position of the Polish coaltar industry improved somewhat during 1936 under the stimulus of increased building activity and large military orders according to trade reports. The demand for pitch and prepared tar was especially keen during the construction season, and phenol and cresol supplies became entirely exhausted so that a definite lack of impregnation oils for railroad ties and telegraph poles developed. Other coaltar derivatives appear also to have attained appreciable increases and, in consequence, the 1935 production volume of 90,000 metric tons was exceeded in 1936 by 5,600 metric tons, or by 6.2 percent. Production in the Canadian coaltar distillation industry in 1936 registered a gain of 12.9 percent to $2,942,255, according to preliminary figures released by the Dominion Bureau of Statistics from a production in 1935 of $2,606,338.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Naphthalene, crude, dom., ½c. per 100 lbs.
Imported, ¼c. per 100 lbs.

Reduced

None

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
127.2	127.2	127.2	126.4

Market news that may have developed after this report was sent to press will be found on page 4.

Basic Products

Benzol.—A substantial demand continued for this product throughout the week just closed. Prices were decidedly firm. Steel mill operations were estimated at 67.3 percent of capacity, against 75 percent in the previous week, according to the American Iron and Steel Institute. A month ago operations were at 76.2 percent and a year ago at 67.3 percent. The decrease was said to represent the shut-down over the July 4 holiday. Production of steel ingots during June dropped off sharply because of strike conditions and failed to equal the May output by nearly 1,000,000 gross tons. June production amounted to 4,183,762 gross tons, almost 19 percent below the total of 5,153,559 gross tons produced in May. Percentage of capacity operated in June was 74.46, compared with 88.82 percent in May. Total production in the first six months of 1937 almost certainly would have set a new all-time peak for the half-year period had output not been curtailed by strikes. A total of 28,764,633 gross tons of steel ingots was produced during the first half of 1937, less than one percent below the output of 29,036,274 gross tons in the first half of 1929. The total in the first six months of this year was almost four times as much as the total of 7,697,210 gross tons produced in the first half of 1932. The tonnage produced in June was only five percent above the output of 3,975,569 gross tons in June, 1936, but the six months' total for this year was 35 percent above the total of 21,276,097 gross tons in the corresponding period of last year.

Carbazole. — Prices remained firm. Demand was irregular. A Japanese steel company has installed equipment for the recovery of carbazol as a by-product at its plant in Yawata, states a report from the American trade commissioner at Tokyo. Carbazol blue, according to the trade press, is now being manufactured in Japan and domestic supplies of carbazol are evidently assured.

Cresol.—A heavy buying movement continued in evidence for this product again last week. Producers reported quotations were decidedly firm at the levels in effect previously.

Creosote Oil.—Shipments were moving out at a good pace throughout the period under review, sellers reporting a large volume of business was on the books for delivery at the higher levels established July 1 for the crude material in tanks.

Cresylic Acid.—The synthetic resin industry and other routine consumers continued to furnish a heavy demand for this product; in fact, full contract allotments were being withdrawn which was equivalent to actual production. Quotations were decidedly firm at the levels in force prevously.

Naphthalene.—Prices for crude naphthalene appeared firmer last week, sellers were quoting domestic 74 degree at $2.50 to $2.75 per 100 pounds and 78 degree was priced at $3 to $3.25 per 100 pounds. Imported product was listed at $2.25 to $2.50 per 100 pounds for 74 degree and $2.75 to $3 per 100 pounds for 78 degree. In connection with the process in Germany of anthracene being used for the production of carbon black in the place of naphthalene, it was stated that to what extent anthracene is employed has not been definitely determined, but it appears that a group of German rubber tire manufacturers will utilize anthracene as a raw material. However, notwithstanding efforts to produce a black comparable to American carbon black in quality, imports of carbon black into Germany for the first four months of 1937 advanced to 3,520 metric tons, from 2,342 metric tons for the same months of 1936, according to the American consul, Frankfort-on-the-Main.

Phenol. — Shipments were moving against contracts at a good pace throughout the week, prices were decidedly firm at previous levels. The synthetic resin continued to furnish a good inquiry. Other routine sources were in the market for sizable quantities.

Toluol.—Shipments were fairly good last week, the market displaying a decidedly firm tone. Automobile production was reported to have reached its peak, and a general curtailment in output was looked for as producers were making final preparations for the changing over to 1938 models.

Xylol.—A firmer price tone was in evidence for this product again last week, sellers reporting that the shortage had not been as yet relieved.

Chicago Coaltar Bases

CHICAGO, July 7.—With production of certain grades of coaltar bases coming back slightly with resumption of activities in the steel making districts of the Middle West that have been affected by the labor troubles, the market is going ahead on

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7

something like an even keel. The tone is firm and some of the items are quite tight. Buyers are anxious to get material. Ruling prices exclusive of tax are:—Benzol, 90 percent, 16c. to 17c. per pound; motor benzol, 9½c. to 10½c.; 10-degree xylol, 33c.; solvent naphtha, 30c.; creosote oil, grade 1, 13½c. to 14c.

Coaltar Acids

Anthranilic.—A fair demand was reported in this direction again last week. Prices ruled firm.

Broenner's.—There was little to report in this market again last week. No change was disclosed in quotations.

Cleve's.—Shipments were moving out at a fair pace throughout the week. Prices ruled firm.

Picric.—A decidedly firm tone prevailed in this direction again last week. Usual consumers supplied the inquiry.

Salicylic.—Another fair week was reported in this market, consumers were purchasing conservatively and prices ruled firm.

Sulphanilic.—Important developments were lacking in this market. Prices were decidedly firm.

Tobias.—Usual consumers supplied a fair demand. Quotations were in conformity with the schedule in effect previously.

Other Intermediates

Anilin Oil.—A firm tone prevailed in this market again last week; shipments were moving out in a consistent fashion. Prices ruled unchanged.

Benzidin Base.—This market presented little change from recent weeks, the call being confined to actual requirements, but a firm tone was in prominence.

Betanaphthol.—A favorable inquiry was recorded in this market again last week, shipments were moving out against contracts to the extent of full allotments. Quotations were unchanged.

Dinitrobenzene.—A firm tone continued in evidence for this item, sellers reporting demand was fair.

Dinitrotoluene, Oily.—Usual consumers were showing a favorable interest in this direction. Quotations held firm.

Nitrobenzene.—Nothing important developed in this market again last week, routine consumers supplied a fair call and quotations were firm.

Orthocresol.—A firm tone prevailed in this market, demand was considered good.

Orthodichlorobenzene. — Shipments were moving out at a good pace, a decidedly firm tone being prominent.

Orthotoluidin.—There was little to report here, demand was highly irregular but the price tone held firm.

Phthalic Anhydride.—Shipments were moving out in substantial volume throughout the week, prices were decidedly firm at previous levels.

R Salt.—Quite continued here, small quantities made up the call and prices ruled steady.

Toluidin.—A firm tone governed the activities in this market, although demand was narrow at times during the week.

Coaltar Colors

Business in the market for coaltar colors continued highly irregular during the week just ended. Prices were steady. Reports from Covington continued to tell of the strike in a large rayon plant there. Advices on domestic cotton cloth industry indicated that sales of goods by mills during the last few weeks were somewhat larger than in recent weeks, but nevertheless the volume fell short of current production, with the result that mill activity is receding gradually. The lighter shades continued in prominence. Shipments of coal tar dyes from the United Kingdom continued to increase during the first quarter of 1937, exports totaling 30,867 hundredweight, compared with 27,747 hundredweight durig the corresponding period of 1936. Total exports in 1936 aggregated 102,847 hundredweight as against 101,306 hundredweight in 1935.

Neville Appoints Calo & Lydon

The Neville Company, manufacturer of coaltar products, Pittsburgh, has appointed Calo & Lydon, 90 West street, this city, as its sales representative in the Metropolitan New York district. As a result of this appointment, the Neville Company feels that better service and closer contact with the consuming trade in the New York area will be insured.

El Rio Oils (Canada), Ltd., has filed articles of incorporation under the laws of Delaware, with capital for taxation of $1,600,000.

Lime Output Increased 44 Percent in 1935

Manufacturers of lime in the United States during 1935 reported a total production value of $23,322,071 for all products, compared with $16,200,313 for 1933, according to a preliminary report on the industry by the Bureau of the Census compiled from returns of the biennial census of manufactures. Of the total, $18,423,448 was the value of 2,476,345 tons of lime. The number of wage earners increased 25.5 percent and the total amount of their wages 48.4 percent over the 1933 figures.

Comparative statistics for the two years follow:—

	1935.	1933.
Number of establishments	189	167
Wage earners (average for the year)*	7,497	5,972
Wages†	$6,052,107	$4,079,429
Cost of materials, containers, fuel, and purchased electric energy†	$8,919,836	$6,543,163
Value of products†	$23,322,071	$16,200,313
Value added by manufacture	$14,402,235	$9,657,150

Products by Kind, Quantity, and Value: 1935

	1935.
1. Lime industry, all products, total value	$23,322,071
2. Lime	18,423,448
3. Other products (not normally belonging to the industry).	4,898,623
4. Lime made as a secondary product in other industries, value	*.....
Lime, all kinds—	
Total tons	†2,246,345
Total value (sum of 2 and 4)	†$18,423,448
Quicklime—	
Tons	1,414,650
Value	$10,005,627
Hydrated lime—	
Tons	837,876
Value	$7,074,183
Agricultural lime—	
Tons	223,819
Value	$1,343,638
Not distributed by kind, value	.....

* Not yet available; will be included in final report.

† Incomplete (see footnote 1). Corresponding total in final report will include data for lime made as a secondary product in other industries.

Prof. C. O. Reed, of Ohio State University, who is chairman of the National Joint Committee on Fertilizer Application, has been awarded the Cyrus Hall McCormick medal for 1937 by the Society of Agricultural Engineers.

Del-Mar-Va Fertilizer Men Hold Convention

Soil conservation, fertilizer practices, and factory management were some of the subjects discussed at the annual convention of the Del-Mar-Va Peninsula Fertilizer Association, at Ocean City, Md., June 26. Golf, bridge and a bowling contest provided the social entertainment.

Vice-president Ben T. Truitt, of the Worcester Fertilizer Company, Snow Hill, Md., presided, and opened the meeting with an address on the general conditions in the industry. Paul J. Prosser, of the Baugh Chemical Company, Baltimore, discussed "Factory Management," stressing cleanliness and good housekeeping in fertilizer plants. Dr. A. G. McCall, of the Soil Conservation Service, Washington, spoke on "Soil Conservation and Fertilizer Practices," giving data on the extent of soil depletion resulting from growing certain crops. Dr. E. L. Nixon, of the Pennsylvania State College, spoke on "Chemicals and Legumes the Basis of a Permanent Agriculture," stressing the importance of an abundance of legumes, and told about successful potato growing in Pennsylvania. M. R. Murph told of the work and plans of the National Fertilizer Association in respect to trade practices, legislative service, soil improvement and sales promotion.

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Coaltar Dyes, Chemicals in 1936

(Continued from page 5)

Organic Toners, Lakes, Pulp Colors and Colors Flushed in Oil and Varnish

Production and Sales, 1936

	Production. Pounds.	Sales Pounds.	Sales Value.	Sales Unit value.
Grand total	15,352,334	13,575,454	$10,177,276	$0.75
Toners or Full Strength Colors				
Alkali blue	779,614	.....	.....	...
Eosine and phloxine	235,736	182,789	286,104	1.56
Hansa yellow	170,438	156,674	211,941	1.35
Lake red C	362,044	317,259	307,268	.97
Lithol	2,245,838	2,138,624	1,416,433	.66
Lithol rubine	87,568	87,216	33,735	1.14
Maroon	287,792	292,878	635,791	2.17
Methyl violet	264,729	236,810	265,701	1.12
Orange	120,463	119,673	99,673	.83
Para red	980,136	931,022	697,807	.75
Phosphotungstic acid toners—				
Blue	148,901	141,306	482,702	3.42
Green	95,886	88,060	219,779	2.50
Purple	118,756	113,080	156,971	1.39
Red	40,472	37,977	127,084	3.35
Red	207,288	195,597	207,313	1.06
Toluidine red	838,587	767,168	1,025,540	1.34
All other organic toners	76,951	.....	.....	...
Totals	7,061,199	6,413,057	$6,905,273	$1.08
Lakes and Extended Colors				
Alizarin	106,158	102,422	146,200	1.43
Azo bordeaux	260,202	263,444	73,280	.28
Blue	162,692	96,401	57,183	.59
Eosine and phloxine	141,405	132,583	101,488	.77
Fast light yellow	64,703	68,420	53,805	.79
Green	239,526	109,115	70,730	.65
Helio fast rubine	30,802	30,309	56,435	1.86
Maroon and lithol rubine	864,997	826,257	203,427	.25
Methyl violet	102,641	104,111	62,866	.60
Naphthol yellow	36,664	35,491	22,935	.65
Orange	79,701	15,019	5,427	.36
Peacock blue	1,322,326	1,067,078	620,729	.58
Persian orange	524,066	405,077	146,190	.36
Phosphotungstic acid lakes—				
Blue	427,272	431,558	307,392	.71
Green	178,216	170,194	112,142	.66
Purple	13,402	14,918	10,244	.69
Red	126,885	83,890	45,929	.54

Lakes and Extended Colors (Continued)

	Production. Pounds.	Sales Pounds.	Sales Value.	Sales Unit value.
Pigment scarlet	275,583	260,989	157,598	.60
Quinoline yellow	25,034	16,353	19,113	1.17
Red	221,993	198,640	102,534	.52
Scarlet 2R	711,166	692,998	200,326	.29
Tartrazine	217,158	207,113	120,091	.58
Yellow	201,809	.....	.....	...
All other organic lakes and extended colors	281,930	.....	.....	...
Totals	6,616,331	5,630,614	$2,758,791	$0.49
Reduced Toners				
Lake red C	43,755	39,423	19,081	.48
Lithol	380,826	386,752	143,174	.37
Maroon and lake red D	74,634	86,032	42,594	.50
Para red	828,766	739,723	139,857	.19
Toluidine red	221,492	181,748	98,436	.54
All other reduced toners	125,331	93,105	70,070	.75
Totals	1,674,804	1,526,783	$513,212	$0.34

Miscellaneous Synthetic Chemicals of Coaltar Origin

Production and Sales, 1936

	Production. Pounds.	Sales Pounds.	Sales Value.	Sales Unit value.
Total	37,902,097	34,835,741	$8,471,866	$0.24
Naphthol AS and derivatives—				
Naphthol AS	273,397	314,076	375,803	1.20
Naphthol AS, BS	71,029	.....	.....	...
Photographic chemicals—				
Hydroquinol	784,698	765,154	558,236	.73
Phthalates, total	10,273,647	10,162,325	1,914,139	.19
Dibutyl	5,644,166	5,301,280	919,728	.17
Diethyl	700,656	856,328	142,795	.17
Textile assistants, total	2,160,288	2,269,184	674,993	.30

Louisville Paint Group Bars Solicitation for Golf Prizes

The Louisville Paint, Varnish and Lacquer Association held its first outing and golf afternoon June 25, with about 80 members present. Low net prize was won by J. P. Cordon, of the Louisville Varnish Company; low gross went to William Chandler, of the Porter Paint Company.

All prizes this year were donated by the club, except for low net and low gross, which were given by Beck-Koller & Co. The club recently adopted a policy under which no more prizes will be solicited, as it was felt this was an unfair burden on the supply houses. Heretofore so many prizes were donated that they were given even to persons who did not play in the tournament in order to get rid of them.

Dyestuffs and Textile And Leather Chemicals

Further Reduction in Egg Products—Tanning Materials Continue Slow — Myrobalans and Mangrove Bark Steady — Zinc Dust Unchanged—Corn Derivatives Quiet—Bichromates Firm

Business in the market for dyestuffs and tanstuffs continued at a highly irregular pace during the week. Indications were that consumers were endeavoring to hold purchases down to a minimum. Seasonal curtailment in production schedules could be given as a reason for the relatively slow call in evidence frequently during the week. Changes in the market included a reduction in egg products.

The lower prices for egg products came about as a result of the severe competition, fostered, in the face of a dull off-season demand, by the heavy arrivals of the new crop. Corn derivatives continued to display a firm tone, firmness resulting from continuance of a similar tone in the basic product. Bichromates moved through a rather quiet week, but commitments for third quarter delivery were sufficient to warrant a firm price tone. Zinc dust was unchanged. Cochineal and annatto were dull. Reports from the textile industry told of curtailment in production schedules, especially in the cotton cloth unit. Tanning materials moved through a week marked by a highly irregular call. Consumers in all directions apparently were content to remain aloof from the dealings until needs reached an imperative stage.

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

Albumen, egg, 1c. per lb.
Egg yolk, 1c. per lb.

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week	Prev. week.	Last month.	Last year.
154.1	154.1	154.1	152.3

Market news that may have developed after this report was sent to press will be found on page 4.

Chemicals

Alumina Chloride.—Business in this market continued to be transacted on a conservative scale throughout the week. Routine consumers supplied the call. Prices were unchanged.

Antimony Salt.—This situation noted little change from recent weeks, the call being confined to small quantities. Prices ruled steady to firm.

Potash Bichromate.—A firm tone prevailed in this market again last week, although demand was rather slow at times. Contract commitments for third quarter delivery were said to be sufficient to give the market a firm undertone.

Potash Prussiate.—Shipments of red prussiate moved to routine consumers at a fair pace, and prices displayed a steady to firm tone. The call for yellow prussiate continued irregular. No change was disclosed in prices.

Soda Bichromate.—A firm tone continued as the outstanding factor in this market. Dealings were transacted on a moderate scale. Quotations were unaltered.

Zinc Dust.—A fair demand was reported for this product at intervals during the week. No change was disclosed in quotations, for a steady to firm tone was noted in the basic metal.

Dyestuffs

Annatto.—Although the market was a drab affair, sellers reported prices continued firm.

Cochineal.—A slow call was noted here. No change was disclosed in quotations. Production of cochineal, a dye of animal origin, in Mexico, has declined markedly during the last four or five years as a result of shrinkage in demand by national and foreign consumers. Demand for cochineal has become so slack that a dealer who in former years disposed of large quantities states that it is doubtful if he could obtain sufficient cochineal for an order totaling a half carload. With shrinkage of the market, prices also have advanced. The last quoted prices f.o.b. leading point ranged from 37.00 pesos to 50.00 pesos per cargo of 11½ kilos or 25 pounds, depending upon quality. The government's agricultural development program, whereby efforts have been made to establish Indians in agricultural regions upon the land as small proprietors, with a coincident establishment of minimum wages has resulted in deflecting the activities of those formerly producing cochineal. No exportations of cochineal have been made from Mexico since the year 1932, when 19 kilos valued at 46.00 pesos were exported, according to the assistant trade commissioner in Mexico.

Fustic.—A slow demand was reported in this market again last week. The dull demand reflected a moderate inventory built up before the price rise, together with a seasonal curtailment in production schedules in the textile industry. Prices displayed a firm tone.

Hematine.—This market noted a slow demand during the week, but the market retained a steady to firm price tone.

Hypernic.—New developments were lacking in this market during the course of the week just ended. Demand was spotty and quotations retained a firm appearance.

Logwood.—Although the market was a rather quiet affair, from a demand standpoint, sellers reported price held firm at the levels established July 1.

Madder, Dutch.—The call continued to drag throughout the week. However, sellers reported a firm price tone was in evidence.

Sizing Materials

Albumen.—A decline of 1c. per pound was noted in prices for edible egg albumen. The lowering of prices came about as a result of large amount of material imported over the past few weeks, causing severe competition in effort to move stocks in the face of a rather slow demand. The market for blood albumen continued quiet.

Dextrin.—Prices for corn derivatives continued firm, the firm undertone continuing to reflect a similar tone in the basic product. Demand was fairly good.

Egg Yolk.—A reduction of 1c. per pound was reported in this product; sellers were quoting 53c. to 54c. per pound. The keen character of the competition as a result of recent heavy arrivals was the factor influencing an easier tone in the price structure.

Frozen Eggs.—The market on the New York Produce Exchange was dull. July whole mixed futures closed on Friday at 17.65c. asked; September, 18.15c. asked; November, 18.60c. asked.

The Department of Agriculture has authorized the Federal Surplus Commodities Corporation to continue the purchase of surplus eggs during the summer months and early fall should such purchases be required to provide a reasonable market for producers whose prices have been inadequate to cover greatly increased feed costs, the Agricultural Adjustment Administration announced today. The eggs will be distributed to families on relief. Surplus egg purchases since the beginning of the year have totaled 290,944 cases, representing 8,728,320 dozens. The buying programs are financed with surplus removal funds available under Section 32 of the Agricultural Adjustment Act. This section makes available 30 percent of customs receipts for the expansion of agricultural markets. Although consumer purchasing power this year has averaged well over that of 1936, the price received by farmers for eggs in May and June was lower than that prevailing in the same months of 1936. At the same time, and because of the greatly curtailed grain crops resulting from the 1936 drought, feed prices have been considerably higher than last year. The cost of feed to the egg producer is the most important single item in his cost of production since it represents more than 50 percent of the total cost of producing eggs. The feed-egg ratio, which is the number of dozen eggs required to purchase 100 pounds of feed, is therefore the best available measure of the relationship between egg and feed prices. During 1937 the feed-egg ratio increased steadily until in May it reached an all-time high, 11.31, compared with 5.84 and 6.58 in the same period of 1936 and 1935, respectively, and with 6.43, the average of the 10-year period, 1925-34. One of the most important factors acting to decrease returns to egg producers this year has been the continued heavy production and the consistent increase of storage stocks of eggs above those of 1936 and of the 5-year average, 1932-36. Purchases of surplus eggs may be made on recognized commercial exchanges, from public egg auctions, from egg producer organizations, and from other egg dealers.

Starch.—A fair demand was reported here. Quotations were firm, reflecting firmness in the basic corn market. The growth of corn was checked somewhat by low temperatures in the eastern half of the corn belt, but generally the crop continued to make excellent progress, except in some western sections where it has become too dry. In Illinois plants have reached from 3 to 5 feet high and are well cultivated. In northwestern Missouri rain is needed. In Kansas and Oklahoma conditions are becoming decidedly unfavorable. In the former state the crop has not been materially damaged as yet, but is needing rain badly, with growth checked and plants curling. In the south central and southeastern portions corn is now entering the critical tasseling stage. Some firing is reported in parts of Oklahoma. General rain is needed throughout the Great Plains. In Minnesota corn is doing well, while in Iowa the dry weather was favorable for cultivation, with much laid by in southern and western portions and some in the north. Many fields are shoulder-high in the south to waist-high in the north. There was some wilting by high temperatures in southwestern counties. In the more eastern states corn continues to make excellent progress.

(Continued on page 62)

Acid Dyeing of Wool Is Chemical Reaction

The complexity of dyeing processes has given rise to many theories, all of which may be classified under the general headings of "Chemical" or "Physical," according to the National Bureau of Standards of the Department of Commerce. The more recent work of a number of investigators, however, leaves little doubt that the reaction of wool with acid dyes is governed by chemical laws and consists in the reaction of the basic groups in the fiber with the acidic groups in the dye molecules, it was stated.

Recent work by Arthur Smith and Milton Harris, of the textile section of the standards bureau, has resulted in additional data, obtained by a somewhat different approach to the problem, which constitute further evidence in favor of the chemical theory of acid dyeing. These workers have determined the acid dye-combining capacity of untreated wool and have shown it to be equal to the acid-combining capacity. Treatment with nitrous acid, hydrogen peroxide, sodium hypochlorite, and strong solutions of sulphuric acid decreases the basicity of the wool and correspondingly decreases the affinity for acid dyes.

Chlorinated wool absorbs acid dyes at a greater initial rate than untreated wool, but at equilibrium the latter absorbs more dye. The resistance to acid dyes, produced in the sulphuric acid carbonizing process, is caused by the conversion of basic amino groups to sulphamic acid derivatives, according to the standards bureau.

Dalton Community Club, Dalton, Neb., will employ a geologist to make a survey of land about that town. Crews from some oil concerns have been busy in the territory and landowners desire guidance.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7

DRY COLORS—DYESTUFFS
IMPORT EXPORT
FEZANDIE & SPERRLÉ, 205 Fulton Street, NEW YORK
Telephone: Cortlandt 7-1460-1461 Cable Address: "Fezan," N. Y.

NIACET PRODUCTS
Acetic Acid Glacial - U.S.P. - Reagent
Acetaldol
Acetamide
Paraldehyde
Acetaldehyde
Iron Acetates
Copper Acetate
Methyl Acetate
Crotonaldehyde
Ammonium Acetate
Manganese Acetate
Sucrose Octa Acetate
Other Acetate Salts
ACETAMIDE
Technical and C. P. Odorless Grades
for
Soldering Pastes and Fluxes
Solvent for Dyestuffs
A new pure organic material with unusual possibilities for chemical synthesis.
Aluminum Acetate Solutions 20% Normal, 32% Basic
Sodium Acetate Tech 60%, Special 90% Grades
NIACET CHEMICALS CORPORATION NIAGARA FALLS, N.Y.

MUTUAL BICHROMATES
BICHROMATE OF POTASH
BICHROMATE OF SODA
OXALIC & CHROMIC ACID
MUTUAL CHEMICAL CO. OF AMERICA
270 MADISON AVE., NEW YORK
PLANTS AT BALTIMORE AND JERSEY CITY
MINES IN NEW CALEDONIA

Industrial Uses of Chemicals and Related Materials

(Formerly styled "Where You Can Sell")

Producers' Guide to New Markets Technical Information for Processors

Fully protected by copyright

Five-hundred-forty-ninth Recapitulative Instalment

(Parenthetical references are to the numbers of patents in the United States or other countries, as designated)

Calcium Sulphocarbolate

(Calcium Phenolsulphonate, Carbolschwefelsaurescalcium, Carbolschwefelsaureskalzium, Sulfocarbolique de Calcium, Sulfocarbolique de Chaux, Sulphocarbolate of Lime)

Chemical

Denaturant for—
Alcohol

Insecticide and Fungicide

Process material in making—
"Bouillie Lyonnaise" for destroying *Oidium* on vines

Pharmaceutical

In compounding and dispensing practice
Ingredient of—
Chicken remedies
Suggested for use as—
Antiseptic Astringent

Cup Grease

(The uses given under the several names of industries may be considered as unique to the particular industry. Uses that may be considered as common to many industries, such as materials handling, power generation, power transmission, will be found under those operation headings instead of repeated under many industries.)

Agriculture

Lubricant for—
Cotton gin parts
Disc harrows
Farm implements
Grain harvesters
Plows
Tractor parts
Wagon axles
Wheel bearings

Automobile

Lubricant for—
Chassis parts
Distributor
Fan bearings
Rear end gears
Transmission gears
Speedometer shafts
Steering gear parts
Suspension springs
Water pump
Wheel bearings

Aviation

Lubricant for—
Various parts

Beverage

Lubricant for—
Bottling machine bearings

Brick and Refractories

Lubricant for—
Bearings
Brick cutters
Cars
Skip hoists
Tile cutters

Cement

Lubricant for—
Ball mills
Crushers
Dryers
Granulators
Rotary kilns

Chemical

Lubricant for—
Air compressors
Motor bearings

Construction and Building

Lubricant for—
Air compressors
Cable car pulleys and bearings
Concrete mixers
Cranes
Elevator bearings and slides and guides
Gas engine parts
Hoisting machinery
Motor bearings
Pneumatic tools, such as drills, concrete breakers, wood and stone-working tools, riveting hammers
Pumps
Tractors

Electrical

Lubricant for—
Motors

Food

Lubricant for—
Dough dividers in baking plants
Mill bearings

Laundry

Lubricant for—
Overhead trolley systems
Roller ironing machines
Rotary driers
Plant tracking systems
Washing machines

Lumbering

Lubricant for—
Chassis bearings on trucks
Donkey engines
Lime blocks
Slides

Materials Handling

Lubricant for—
Belt conveyor bearings and other parts
Buggies
Cable car pulleys and reel bearings
Cars of various kinds used for transporting materials in factories, mills, and quarries
Car loaders
Conveyor moving parts
Coal and ash handling equipment
Cranes
Elevating machinery
Grain and ore handling equipment
Freight elevators
Hoisting machinery
Loading machinery
Overhead trolley systems
Plant tracking systems
Stacking machines
Tractor, truck, and trolley parts

Materials Treating

Lubricant for—
Crushers
Cutters
Disintegrators
Dryers
Grinders
Kilns
Millers
Mixers
Pulverizers
Screeners
Shredders
Sievers
Sifters

Mechanical

Lubricant for—
Air compressors
Ball bearings
Elevator bearings, passenger and freight
Fittings
Gear trains
Lathes
Moving parts generally
Pistons, valves, and other moving parts
Pneumatic tools, such as drills, riveting hammers, chipping and caulking tools, breakers, wood and stone working tools, stoppers, augers, hammers, and other tools
Roll machines
Roller bearings
Speed reducers

Metallurgical

Lubricant for—
Blast furnace trolley bearings and line shafting
Charging machines
Cold rolls
Converter manipulating parts
Conveyors
Ladle cranes
Open-hearth furnace door plungers
Pot trucks
Wire-drawing operations

Milling

Lubricant for—
Bagging machines
Bran dusters
Collar and other bearings
Flour cleaning screens
Flour dressers
Grain elevators
Line shafting
Purifiers
Reels
Scourers
Sifters
Wheat rolls

Mining

Lubricant for—
Air compressors
Air hoists
Cable car pulleys and bearings
Conveyors
Elevator bearings, skids, slides
Mine cars
Motors
Pneumatic machinery
Pumps
Trolley systems

News Publishing

Lubricant for—
Paper hoists
Printing machinery
Trucks

Paper

Logging

Lubricant for—
Chassis bearings on trucks
Donkey engines, crank pins
Slides

Paper Box Plants

Lubricant for—
Auto box machine
Cornering machines
Die presses
Paper slitters
Scouring machines

Pulp and Paper Mills

Lubricant for—
Bag and box machinery
Chip screens
Creping and corrugating machines
Envelope, tube, cup, and cap machinery
Folders
Foudrinier machine parts
Layboys
Paper coating and saturating machines
Pulp screens
Rewinders
Roll wrapping machines
Rotary cutters
Splitters
Trimmers
Tumbling drums

Petroleum

Lubricant for—
Drilling machinery
Pumps

Power Generation

Lubricant for—
Ash grate roll bearings
Blowers
Coal conveyor rolls
Coal hoisting machinery
Draft fan bearings
Fans
Pump bearings
Scraper chain sheaves
Steam engine crank pins
Mechanical stokers

Power Transmission

Lubricant for—
Bearings
Chains
Fly wheels
Gear sets
Hawlers
Line shafts
Pulleys
Speed reducers
Speed transmissions
Sprockets
Wheels

Railroading

Lubricant for—
Air brakes
General shop purposes
Moving parts
Signalling systems
Trackage

Shipping

Lubricant for—
Davits
Freight handling and miscellaneous deck equipment
Power generation and transmission equipment
Winches

Shipyards

Lubricant for—
Cranes
General shop use
Launching skidways
Pneumatic tools

Shoe Factories

Lubricant for—
Brushing machines
Buffing machines
Burnishing machines
Butting machines
Channeling machines
Clicking machines
Counter moulders
Crimping machines
Gang brushing machines
Heeling machines
Heel seat nailers
Heel slicing machines
Heel trimmers and breast scourers
Inking machines
Inseam trimmers
Inseam welt stitchers
Insole and heel seat trimmers
Insole tackers
Jack rollers
Large splitting machines
Marking machine
Nigger heads
Outsole stitchers
Pullovers
Rollers
Rounding machines
Sanders
Skivers
Slugging machines
Sole cutters
Sole grading machines
Sole leveling machines
Soling machines
Stamping machines
Stapling machines
Tip scouring machines
Toe trimmers
Tree machines

Street Railways

Lubricant for—
Air brake cylinders
Ball and roller bearings
Controller contacts, trips, fingers, drums
Door engines, slides
Motor bearings
Motormen's valves
Signals, interlocking (cylinders)
Trackage
Trolley bases
Trolley wheels

Sugar

Lubricant for—
Crushing machinery
Pumps

Tanneries

Lubricant for—
Coloring machines
Jack rollers
Setting machines
Shaving machines
Splitters

Textile

Lubricant for—
Carding machinery comb boxes, bearings
Cleansing equipment bearings
Combing machine bearings, cams
Drawing and spinning machine bearings, gears
Finishing machinery bearings, such as fullers, washers, raisers, nappers, croppers, pressing machines
Gills and backwashers (fallers, screws, slides, gears)
Scouring machinery bearings, cams, and other moving parts
Tapestry machinery
Weaving equipment bearings, gears, chains

Woodworking

Lubricant for—
Sawmill machines, such as carriers, planers, saws

Sodium Sulphocarbolate

(Carbolschwefelsauresnatrium, Carbolschwefelsauresnatron, Sulfocarbolique de Sodium, Sulfocarbolique de Soude, Sodium Phenolsulphonate, Sulphocarbolate of Soda)

Chemical

Denaturant for—
Alcohol

Insecticide and Fungicide

Process material in making—
"Bouillie Lyonnaise" for destroying *Oidium* on vines

Pharmaceutical

In compounding and dispensing practice
Ingredient of—
Chicken remedies
Suggested for use as—
Antiseptic Astringent

Paint, Varnish, Lacquer Materials

Trade Continues Slow — Wet-Ground Mica Lower — Moderate Changes in Rosin and Turpentine—May Paint Sales Off from April Total

The full force of the dullness of the Summer was evidenced in the market for paint, varnish and lacquer chemicals last week. And, coupled with the purchasing caution resulting from unsettled labor conditions there was little material moved against contracts or under open order. The slowness of the opague pigments was not unexpected inasmuch as buyers stocked up before the effective dates of the recent price advances.

Rubber chemicals were also slower. Although some of the Akron tire makers have been producing at a heavy rate in fear of the possibility of labor trouble when the time comes for the annual lay-off for inventory purposes, most of the large factors were trimming down their raw material stock for the inventories which are slated for the end of this month and the demand for carbon black was noticeably slower.

Wet-ground mica for the oil paint, water paint, lacquer and wall paper trades was lower in price under a revised schedule.

The dammar gums continued strong, but there were no further advances during the week. Offerings from abroad were light.

Rosin and turpentine met with a somewhat better demand from domestic buyers last week. There was also some improvements in the export inquiry for rosin, although the outward movement on old contracts was considerably smaller than in the previous week. Price changes were generally within moderate limits. Weather conditions were favorable for production and marketing operations and receipts continued rather large.

May sales of paint, varnish, lacquer and fillers were valued at $45,254,635, according to reports by 680 establishments to the Bureau of Census. This compared with a value of $46,345,474 in April and $42,727,626 in May last year. Total sales for the first five months of the year were $193,402,448 against $157,306,169 in the same months last year. Net sales of plastic paints were 643,681 pounds against 774,640 in April and 618,727 in May last year; dry cold water paints sold totaled 3,093,062 pounds against 3,236,243 in April and 2,609,478 pounds in May, 1936; and calcimines sold in May were 8,094,521 pounds against 8,813,592 pounds in April and 8,361,099 pounds in May last year.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Rosin, gum, pale, 20c. per 280 lbs.

Reduced

Mica, wet-ground, paint grades, ¼c. per lb.
wall or coated paper grade, ½c. per lb.
Rosin, gum, dark, medium, 12½c. to 15c. per 280 lbs.

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
133.4	133.4	132.6	129.9

Market news that may have developed after this report was sent to press will be found on page 4.

Metallic Lead and Zinc

Interest from lead buyers was livelier in the latter half of the week. The period under review opened with a continuation of the dullness of the preceding week, but things livened somewhat on Wednesday after an improvement in the buying sentiment in general commodities and business was described as having been fair up until the close. Some August business appeared. Prices held at 5.85c. per pound, East St. Louis, and 6c. to 6.05c. per pound, New York. London improved broadly during the week. Exports of lead and lead manufactures from the United States in May were valued at $184,696 compared with $200,916 in April and $181,951 in May, 1936. Exports for May included 104,322 pounds of babbitt metal valued at $47,555; "other lead manufactures," $45,431; lead in pigs, bars, and other forms, 731,359 pounds valued at $43,516; and 107,925 pounds of solder valued at $30,949, Commerce Department statistics show. Imports in May were valued at $96,166 compared with $48,281 in April and $38,476 in May, 1936. The month's import trade in lead included 1,094,809 pounds of "ores, flue dust and mattes, not separately provided for" valued at $43,601; 56,944 pounds (lead content 26,204 pounds) of babbitt metal, solder, and other lead alloys valued at $19,514; and 235,331 pounds of "bullion or base bullion with the lead content," valued at $16,542.

Zinc statistics for June appeared late last week showing end of month stocks at 14,081 tons against 13,774 tons at the end of May and 84,855 tons at the end of June last year, according to the American Zinc Institute. June production was 50,526 tons against 55,012 tons in May, and shipments in June were 50,219 tons against 55,201 tons in May. Zinc was bought fairly well last week but there was no change from the long standing price of 6¾c. per pound at East St. Louis.

Exports of zinc and zinc manufactures from the United States in May were valued at $201,563 compared with $157,939 in April and $121,022 in May, 1936. Imports in May were valued at $131,451 compared with $95,337 in April and $68,001 in May, according to the Department of Commerce.

Lead.—Prevailing spot prices at New York, East St. Louis, and London for the period from July 3 to July 9, inclusive, were as follows:—

	Pigs		Spot. London.
	Per pound		Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0600@.0605	$0.0585	.. .. ..
Monday	*.....@.....	*.....	24 2 6
Tuesday	.0600@.0605	.0585	24 11 3
Wednesday	.0600@.0605	.0585	25 0 0
Thursday	.0600@.0605	.0585	24 15 0
Friday	.0600@.0605	.0585	24 16 3

* Holiday.

Zinc.—Prevailing spot prices at New York, East St. Louis, and London for the period from July 3 to July 9, inclusive, were as follows:—

	Slabs		Spot. London.
	Per pound		Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0710	$0.0675	.. .. ..
Monday	*.....	*.....	22 2 6
Tuesday	.0710	.0675	22 8 9
Wednesday	.0710	.0675	22 10 0
Thursday	.0710	.0675	22 6 3
Friday	.0710	.0675	22 10 0

* Holiday.

Pigments

The opaque pigment market was a very slow affair last week. Of course, contract buyers of lithopone, titanium pigments, and zinc oxide were well stocked on the withdrawals taken prior to the advance in contract prices which became effective with the new quarter. Lead products were quite slow last week and the entire market had a typically dull seasonal appearance. There were no changes in prices.

White Lead.—Dry lead moved to manufacturing consumers' hands in very dull fashion. There was little interest in purchasing at this time and the dullness of the Summer months was evidenced in full force. Prices remained at the levels that have been in effect since April.

Red Lead.—Battery makers and the paint trade were very mild buyers last week and the aggregate of material moved out of producers' hands last week was not large. The price for carlots and l.c.l. quantities continued un-

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

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changed, reflecting a steady position of the basic metal.

Litharge.—This oxide evidenced a companionate slowness with other lead oxides. There was no interest to purchase. The price situation shared the even position of pig lead and other derivatives.

Lithopone. — Contract buyers were fairly well stocked, having taken out all of the undelivered balances on the contracts that expired at the end of last month. The higher priced contracts became effective at the beginning of this month, but there has been very little taken against these agreements so far. Open order business was light.

Titanium Pigments.—The paint trade's demands were light and scattered. As in the case of other pigments that were advaced in price, titanium compound pigments due contract buyers on old contracts were taken in at the old prices. Spot buying of these pigments was better than that for some of the other opaque pigments.

Zinc Oxide.—There was very little activity in the market and the next few weeks should also be slow. The buying trade was well stocked on purchases made prior to the recent advance in prices.

Fillers and Extenders

Prices for wet-ground mica used by the paint and wall paper manufacturers have been revised downward, but the grade used by the rubber trade was unchanged. Otherwise the group of fillers, extenders and inert pigments passed the week without price feature. Generally, trading was slow and showed the full effects of the dullness of the Summer months.

Asbestos. — May imports of asbestos were valued at $819,847 compared with $993,691 in April and $514,826 in May, 1936, according to the Department of Commerce. Exports in May were valued at $206,092 compared with $192,969 in April and $132,112 in May, 1936. "Textiles, yarn and packing" was the principal item in the month's export trade and was valued at $116,573 while foreign shipments of "pipe covering and cement" was second-ranking and was valued at $29,467.

China Clay.—Conditions surrounding the market last week were unchanged from those of a week ago. There has been no change in prices since the recent increase in wet-ground material.

Mica. — Wet-ground material for oil paint or lacquer use was now offered in car lots at 4½c. per pound delivered and in smaller lots at 4¼c. per pound f.o.b. mill; the grade for water paint use was quoted at 4c. per pound in car lots, basis delivered, and 4c. per pound for smaller lots at the producing point. The schedule for grades used in wall paper and coated paper was lowered to 3¾c. per pound for car lots, f.o.b. mill freight allowed, 4½c. per pound for ton lots, also freight allowed, and 4¾c. per pound for smaller lots.

Dry Colors

None of the color suppliers interviewed last week could point to more than a mild rate of sales activity. The most candid reported things as having been downright slow. The usual dullness of the Summer months coupled with unsettlement over the labor situation handicapped the market. There have been no movements in prices since the advances in French ocher, Spanish red oxide and raw sienna at the beginning of the month.

Carbon Black.—Export business continued good. Sales to the domestic consumers showed considerable slackening however. The paint and ink trades' purchases were measurably slower than last month and the rubber tire manufacturers were also limiting their purchases closely in view of approaching inventories at the end of this month. Some of the tire companies were producing at a heavy rate now as they expect that there may be some labor trouble when the annual lay-off for inventory purposes takes place.

French Ocher. — The advance of ⅛c. per pound which was effected July 1 at all marketing points except on the Pacific Coast was well held. Buyers were understood to have stocked up fairly well prior to the effective date of the increase.

Iron Blues. — The manufacturers reported a steady price situation but the demands against contract and open order business has moderated within the past two weeks.

Sienna. — The newly established schedule for Italian raw was well held. Prices for raw advanced ¼c. per pound on the first of the month but as in the case of some of the other earth colors that advanced at that time, the rise was anticipated by the buyers.

Spanish Red Oxides.—There was virtually no material available on the open market and the small supplies in warehouse here were paid for contract buyers. The ⅛c. per pound increase in price on the first of this month was more or less a nominal move caused by the increased ocean transportation cost.

Zinc Yellow.—There has been no change in the price of this commodity for some time. The demands of the market were reported as having been routine.

Varnish Gums

The strength of the dammar gum continued as the market's foremost feature but there were no changes in price reported from the primary markets last week. Offerings from abroad were light and the recent advances in Batavia and Singapore gums were well held. The copals were without shift. Generally, trade was very quiet.

Copals.—Buyers were not inclined to contract for forward needs and the spot business was also light. There have been no changes in the prices for Congo, East Indian and other gums during the past few weeks.

Dammars.—The climb of prices was halted, at least for the time being. The market held a very strong position and offerings from the primary markets were light but the suppliers abroad did not raise prices during the week.

Synthetic Resins

The ester gum market was mildly active during the week. Much of the business was against contracts, which were written at the reduced basis of 10c. per pound for this quarter. Modified and 100 percent phenolics were without price change.

Naval Stores

A steady or firm tone prevailed much of the time last week in Southern and local markets for naval stores, and changes in quotations from day to day were generally within rather narrow limits. Consumption of rosin in the soap industry is said to have diminished recently but this was regarded as a normal development for this period of the year when production operations are at some plants curtailed for a few weeks. Moreover, any decrease in consumption of rosin in the soap field has been more than offset, it is contended, by an increase in the requirements of paper makers, many of whom are said to be well employed.

The export inquiry for rosin was reported as somewhat more active, inquiries being received in an increased volume from South America and the Far East, although the outward movement from primary centers on unfilled contracts was considerably smaller than recently. Further liberal exports are said to be scheduled, however, for the latter part of the current month. Weather conditions over many parts of the South were favorable for production and marketing operations and the movement from the interior to the seaboard markets continued on a liberal scale, but daily offerings in primary centers were light or moderate, apparently indicating that much of the rosin and turpentine received had previously been contracted for. In this connection, it is of interest to note that stocks in primary receipts, despite large arrivals in recent weeks, are still materially smaller than at this time last season.

Germany's importations of turpentine during the first quarter of 1937, according to consular advices, amounted to 5,031 metric tons, against 6,340 metric tons in the same time last year. Rosin importations dropped to 14,193 tons against 19,658 tons.

Turpentine.—No change in the character of business was noticeable in the local market last week, many consumers still being disposed to limit their purchases to comparatively small quantities to fill current needs. In some cases, however, an increase was reported in the volume of orders for such lots. Transactions in southern markets were on a fair scale. The prevailing tone here and in the primary centers was steady, changes in quotations being narrow. The movement from the interior to seaboard markets was on a liberal scale as weather conditions were favorable for operations.

SAVANNAH, July 9.—A firm undertone prevailed in the market for turpentine. Following is a record of the market for the week:—

	Cents per gal.	Barrels Sales.	Re-ceipts.	Ship-ments.	Stocks.
Saturday....	34	59	393	235	28,048
*Monday....	..	...	...	...	.....
Tuesday.....	34	332	644	257	28,435
Wednesday..	34	244	965	7	29,393
Thursday ..	34	145	476	27	29,842
Friday	34¼	171	590	50	30,382

* Holiday.

JACKSONVILLE, July 9.—The turpentine market was quiet. Receipts continued

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liberal. Following is a record of the market for the week:—

	Cents per gal.	Barrels Sales.	Receipts.	Shipments.	Stocks.
Saturday	34¼	71	386	15	29,868
*Monday	..	...	...	...	.....
Tuesday	34	123	426	...	30,292
Wednesday	34	133	260	...	30,552
Thursday	34	...	139	50	30,641
Friday	34¼	200	319	42	30,198

* Holiday.

PENSACOLA, July 3.—The turpentine market was quiet and steady. Following is a record of the market for the week:—

	Barrels Receipts.	Shipments.	Stocks.
Monday	256	...	16,757
Tuesday	212	...	16,969
Wednesday	143	122	16,990
Thursday	148	...	17,138
Friday	178	...	17,316
Saturday	215	...	17,531

CHICAGO, July 9.—A good volume of business has been reported in turpentine here lately. Buyers are indicating that they are interested in the market to quite an extent. The price level is being well maintained and at this level sellers are willing to take on a good amount of activity. Reports on consumption also are cheering. Ruling prices at the close of business last night were:—Five-drum lots, 45c. per gallon; five wood barrels, 50c.; single drums, 48c.; single barrels, 53c.

LONDON, July 9.—Quotations on turpentine were as follows:—

	Per cwt. In bbls. s.	d.
Saturday	37	0
Monday	37	0
Tuesday	37	0
Wednesday	37	0
Thursday	37	0
Friday	37	0

Stocks of American turpentine in London were:—

	July 9.	Previous week.	Last year.
Barrels	14,348	15,311	6,936

Rosin.—The local market was somewhat more active last week, although few consumers were disposed to purchase in advance of current needs. An increase was noted in some quarters, however, in the call for small or moderate quantities. Domestic takings in Southern markets were on a fair scale and an increase was noted in the export inquiry. Weather conditions over much of the South were favorable for operations in the woods and receipts at primary points continued rather large. As in recent preceding weeks, however, daily offerings were light or moderate.

SAVANNAH, July 2.—Changes in rosin quotations were moderate, the undertone of the market being firm. Following is a record of the market for the week:—

	Price per unit—Low of range quoted— Sat.	*Mon.	Tues.	Wed.	Thurs.	Fri.
B	$7.95	...	$7.85	$7.85	$7.85	$7.87½
D	8.00	...	7.85	7.85	7.85	7.87½
E	8.00	...	7.85	7.85	7.85	7.87½
F	8.00	...	7.90	7.85	7.85	7.87½
G	8.00	...	7.90	7.85	7.85	7.87½
H	8.00	...	7.90	7.85	7.85	7.87
I	8.00	...	7.90	7.85	7.85	7.87½
K	8.00	...	7.92½	7.85	7.85	7.87½
M	8.00	...	7.92½	7.85	7.85	7.87½
N	8.00	...	7.95	7.85	7.85	7.90
WG	8.05	...	8.05	7.85	7.85	7.90
WW	8.85	...	8.90	8.75	8.75	8.85
X	8.85	...	8.90	8.75	8.75	8.85
	Barrels					
Sales	582	...	915	966	590	738
Receipts	1,878	...	2,302	3,409	2,313	3,091
Shipments	1,337	...	682	990	302	1,881
Stocks	60,200	...	61,820	64,239	66,250	66,64[illegible]

* Holiday.

JACKSONVILLE, July 9.—Rosin receipts continued free but daily offerings were generally moderate. Following is a record of the market for the week:—

	Price per unit—Low of range quoted— Sat.	*Mon.	Tues.	Wed.	Thurs.	Fri.
B	$7.95	...	$7.90	$7.85	$7.85	$7.75
D	7.95	...	7.90	7.85	7.85	7.75
E	7.95	...	7.90	7.85	7.85	7.75
F	7.95	...	7.90	7.85	7.85	7.85
G	7.95	...	7.90	7.85	7.85	7.85
H	7.95	...	7.90	7.85	7.85	7.87½
I	8.00	...	7.90	7.85	7.85	7.87½
K	8.00	...	7.90	7.85	7.85	7.87½
M	8.00	...	7.90	7.87½	7.90	7.87½
N	8.00	...	7.90	7.90	7.92½	7.90
WG	8.00	...	7.97½	7.90	7.90	7.90
WW	8.60	...	8.70	8.60	8.75	8.65
X	8.60	...	8.70	8.60	8.75	8.65
	Barrels					
Sales	480	...	633	949	482	505
Receipts	1,007	...	1,310	1,293	717	1,398
Shipments	21	...	100	...	21	530
Stocks	30,137	...	31,347	32,640	33,336	34,204

* Holiday.

PENSACOLA, July 3.—The rosin market was quiet. Receipts were larger. Following is a record of the market for the week:—

	Barrels Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Receipts	742	754	355	447	400	524
Shipments	1,450	500	200	100	100	300
Stocks	19,643	19,897	20,052	20,399	20,699	20,923

CHICAGO, July 9.—The rosin market has been marking time as regards price changes here recently, although if there has been any change at all it has been toward a faint easing in the general situation. The buyers are in a mood to take a fair amount of material, although activity is not on a par with the stir that was noted some weeks ago. Ruling prices at the close of business last night were:—B grade, $10.95 per lot of 280 pounds; G grade, $10.90; M grade, $10.92½; W.W., $11.90.

LONDON, July 9.—Quotations on American rosin were as follows:—

	Per cwt. in barrels— Common. s.	d.	W.W. s.	d.
Saturday	20	9	22	3
Monday	20	3	22	3
Tuesday	20	3	22	3
Wednesday	20	3	22	3
Thursday	20	3	22	3
Friday	20	3	22	3

Pine Oil.—The situation continued to be featured by a firm tone. There was a steady movement into consuming channels on contracts and transient orders. Prices were stationary.

Pitch.—Demand was fairly active and the market retained a firm tone, quotations being held at previous levels in the absence of any material change in primary markets.

Rosin Oil.—Business lacked snap, but there was a fair demand for moderate quantities from local and other consumers. The market was steady on the basis of previous quotations.

Tar.—Consumption appeared to be holding up well, although new business was quieter than recently. Prices were stationary and the tone of the market appeared to be firm.

Shellac

A shellac market of quiet sort and some unsettlement of prices prevailed on the spot last week. Prices abroad were moderately easier and fractional reductions took place in Calcutta and London. Demand for forward delivery parcels was none too active; in fact, the market was reported to be dull so far as future business was concerned. Local trading in spot shelac was dull also. Buyers were mainly aloof and the absence of normal trading interest tended to keep prices unsettled and subject to shading on the part of some sellers of the material. Reports from Chicago indicated that some 2,400 furniture buyers had registered for the furniture semi-annual show in the American Furniture Mart. This was a gain over the registrations for the January showing of models. The sentiment there was that there would be a sharp upturn in furniture sales in the Fall. Such a development would be advantageous for the sellers of shellac.

London, July 9.—London quotations basis of sterling exchange at $4.88, for shellac for later delivery have been as follows:—

	July 9— Shillings. Cwt.	Cents. lb.	July 2— Shillings. Cwt.	Cents. lb.
August	46	10	47½	10.3
October	47	10.2	48½	10.5

Quotations in cents per pound were subject to correction in accordance with the rate of exchange prevailing on London.

Day-to-day closing prices were as follows:—

	Per hundredweight— August.	October.
July 2	47s 6d	48s 6d
July 3	No cables	
July 5	Holiday	
July 6	47s ..	48s ..
July 7	47s ..	48s ..
July 8	46s 6d	47s 6d
July 9	46s ..	47s ..

Calcutta, July 9.—Prices quoted on pure T. N. c.&f. New York, basis of sterling exchange at $4.88, were as follows:—

	Per pound— July 9.	July 2.
July	9⅝c	10c

Quotations in cents per pound were subject to correction in accordance with the rate of exchange prevailing on London.

Day-to-day prices were as follows:—

	Per pound.
July 2	10s
July 3	No cables
July 5	Holiday
July 6	9⅝c
July 7	9⅝c
July 8	9⅝c
July 9	9⅝c

Lacquer Materials

The market for lacquer materials noted a fair demand at times during the week, but it was quite evident that consumers were endeavoring to hold purchases to actual production requirements. Butyl alcohol displayed a firm tone. There was little to report in the market for butyl acetate, routine consumers were covering when needs were necessary. Acetone continued to display a steady tone. Reports from the automobile industry had it that peak production had been reached for this season, and a gradual let-down in operations could be expected, automobile manufacturers were giving thought to 1938 models. Tricresyl phosphate continued as the firm feature in the market, reflecting continuance of a shortage in the basic product.

(Continued on page 40)

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

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PIGMENT
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Incorporated
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LOUISVILLE, KENTUCKY
Offices and Agents in Principal Cities
Distillers of Coal Tar Products

The Evolution of Woodstains

(Continued from page 5)

in large-volume furniture finishing have led to the use of dipping-bath and spray-gun procedures requiring quick-drying solvents. Solvent mixtures have now been formulated that not only have shortened the drying time, but which have greatly reduced the labor required in sandpapering the wood and applying the stain. Fewer sanding operations are required because these special formulas have a minimum effect toward swelling the wood cells.

These developments in woodstain vehicles (since 1930) followed the appearance on the market of the glycols and their ethers. By the incorporation of these products in suitable mixtures with alcohols, water, or hydrocarbons and the use of selected dyes, the modern, fast-to-light, quick-drying, nontoxic, and non-grain-raising woodstains have been evolved.

Old Formulas

Many of the stain formulas used by the ancient craftsmen are undoubtedly lost to record. Doubtless, also, they used many unrecorded products native to their own locality, probably in what we would today consider weird decoctions. With the passage of time, however, the introduction and wide use of synthetic materials and the development of the factory system of industry have led to a gradual standardization of formulas. Many of these formulas were published in 1892 by Dick[3] (2) and by Hodgson[4]. The processes principally in use were:—(1) Fuming; (2) mordanting with inorganic metallic salts, followed by topping treatments with natural dye decoctions; (3) the applications of a few spirit stains or tinctures, and of pigments ground in oil.

The processes, in general, employed strong acids or alkalies, hot liquids, and multiple applications, and in the main were time-consuming. These formulas gave good results only in skilled hands. They called for the use of logwood, fustic, madder, turmeric, aloe, cutch, alkanet root, dragon's blood, the soluble and insoluble redwoods, hydrochloric acid, aqua fortis, pearl ash, lime, washing soda, sal ammoniac, verdigris, copperas, blue vitriol, Van Dyke brown, prussian blue, permanganates, picric acid, vitrolated indigo (indigotine), bark and shell extracts, sumac, rusty steel filings, water, spirits of wine, beer, tea, coffee, waterglass, and vinegar.

Dick[3] cites a formula devised by a Dr. Stolzel, which consisted essentially of treating wood with a 3 percent solution of cutch in water, then after treating with 3 percent bichromate solution. By variation of the solution strengths and the number of treatments various brown effects could be produced.

Another process, especially adaptable to coloring walking canes, involved treating the wood with manganese sulphate solution and then passing it through the flame of a blowtorch. This treatment gave brown to brownish-black effects. Some such process has been used more recently for baseball bats. Eighteen typical formulas are tabulated in table I.

Alizarin Stains

Soxhlet[5] has described at length some of the results of the fine research of Dr. Bergers with alizarin as a woodstain. These data have been tabulated in table II, together with the result of check tests on birch made in our own laboratories.

Weathered Effects

One of the effects that woodstainers have had to produce is that of an aged appearance. It is rather well known that wood is not fast to light. Unpainted barns, antiques, etc., all assume a gray appearance on weathering. For example, light oak when freshly cut is a light yellow or creamy-brown. When stored in a dry place it gradually goes reddish-brown in appearance, but if exposed to the weather or to damp conditions it assumes a bluish-gray or a grayish-brown hue. Similarly, mahogany and cherry darken from light reds or browns to dark bluish-reds or salmon hues. These effects have to be duplicated when repairing old furniture or when antique effects are specified.

A process for producing weathered, antique, or fumed effects was published by Hodgson[4] in 1892 and again in 1902, and was much used. Similar processes were published by Soxhlet[5] in 1902 and by Godfrey[6] (5) in 1906. They consisted of treating wood, usually oak, with the fumes of ammonia, or with alkaline washes, using ammonia water or solutions of pearl ash, common soda, or lime suspensions. In other processes the wood was treated with tannin from extracts of tea, coffee, barks, nutgalls, or sumac, then with iron salts, resulting in grayish or "saddening" effects. Brownish antique effects were also obtained by the careful use of permanganate, bichromate, Van Dyke brown, and cutch.

Other fuming processes were studied in efforts to obtain additional effects. Soxhlet[5] cites a patent by Thimm, which covered the brushing on to the wood of solutions of various metallic salts, drying, and then fuming with hydrogen sulphide gas. This method gave somewhat nonuniform effects. Using this procedure it was found that there could be obtained: (1) Browns with bismuth nitrate; (2) rust browns with lead acetate; (3) yellows with cadmium sulphate; (4) golden yellows with alkanet. In addition the finishing waxes or oils were sometimes stained with alkanet.

Table I

Woodstain Formulas Used During the Nineteenth Century

Colour Index No.		Mahogany formulas: Red.[1]	Dark[2] First step.	Dark[2] Second step.	Dark[3,5] First step.	Dark[3,5] Second step.	Brown.[2]	Light.[1]	Bright bluish red.[4]	Walnuts and browns.[6]				Oaks, yellows, and oranges.[7]				
	Dragon's blood	8	..	..	..	5	..	5	10	..	..	..	..	..	..	..	..	..
1240	Madder	..	10	..	..	..	10.0	..	..	..	..	..	..	..	..	..	..	..
1246	Logwood	..	2	..	12.5	..	2.5	..	..	..	..	..	..	..	2.5	..	..	..
	Aloe	..	..	..	..	..	..	..	5	..	..	..	..	..	..	..	..	..
1232	Fustic	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	5	..
1243	Brazil wood	..	..	..	..	..	..	..	20.0	..	..	..	..	..	..	5.0	..	..
1239	Cochineal	..	..	..	..	..	..	..	1.0	..	..	..	..	..	..	..	..	..
1244	Safflower	..	..	..	..	..	..	..	2.5	..	..	..	..	..	..	..	..	..
	Van Dyke brown	..	..	..	..	..	..	..	..	5.0	..	..	..	..	..	..	..	..
1249	Cutch	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..
	Walnut shell	..	..	..	..	..	..	..	..	..	..	..	10	..	..	..	..	..
1237	Barberry root	..	..	..	..	..	..	..	..	..	..	..	..	12.5	10.0	10.0	..	..
1238	Turmeric	..	..	..	..	..	..	..	..	..	..	..	..	1.5	1.5	1.5	..	..
	Potassium permanganate	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..
	Sodium bichromate	..	..	..	..	..	..	..	..	0.5	..	..	..	..	..	..	..	..
	Alcohol	100	..	..	..	100	..	100	100	..	..	..	..	..	..	..	..	..
	Washing soda	..	..	..	..	..	..	..	..	3.0	..	..	..	..	..	..	..	..
	Pearl ash	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
	Alum	..	..	..	..	..	..	..	2.0	..	..	..	..	..	..	..	..	..
	Nitric acid, conc.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	100
	Water	..	100	100	100.0	..	100.0	..	100.0	100.0	100	100	100	100.0	100.0	100.0	100	..

[1] If the wood was dark it was first treated with 5 percent oxalic acid solution, or with the following mixture: Nitric acid, 30; hydrochloric acid, 10; water, 60. These treatments bleached the wood. The acid was well rinsed off or neutralized, and the wood dried overnight. The dragon's blood solutions were then applied in successive coats until the desired shade was obtained.

[2] The various coloring materials were dissolved by long boiling in the water, and the solution applied hot; after drying overnight a second treatment was given with 1 percent pearl ash (poassium carbonate) or washing soda solution. These steps were repeated if necessary.

[3] This process was a combination of water stain, which was applied first (hot), dried, then shaded by two or more applications of spirit stain.

[4] A pre-treatment with 2.5 percent saffron solution or an after-treatment with 2 percent alum solution gave more scarlet reds.

[5] Rosewood effects were obtained by two processes. The wood was either stained a very dark mahogany, then streaked with black, or else stained black with logwood preparations, then this was reddened and streaked by using moderately strong acids.

[6] By varying the concentrations and number of coats excellent browns were obtained.

[7] These stains were frequently after-treated with 2 percent alum solution or with acids.

Table II

[1]Alizarin as a Woodstain with Various Mordants

Mordant solution.	On pine.	On maple.	On oak.	On elm.	On birch.[2]
Barium chloride, 1%	Brown	Dark brown	Brown	.....	Light orange-brown
Calcium chloride, 1%	Burnt sienna brown	Dark brown	Red-brown	.....	Red-mahogany
Magnesium chloride, 2%	Dark brown	Dark violet-brown	Dark brown	.....	Very bluish-red
Alum, 3%	Deep red	Deep red	Blood-red	Dark red	Bright red-orange
Chromium fluoride, 3%	Red-violet	Red-brown	Havana brown	Red-brown	Medium red-brown
Manganous sulphate, 2.5%	Red-violet-brown	Red-violet-brown	Walnut brown	Red-violet-brown	Very bluish-red
Ferric chloride, 1.6%	Dark yellow-brown	Smoked brown	Yellowish-black	Yellowish-black	Rosewood
Ferric sulphate, 2%	Red-black	Red-black	Black	Red-black	Brownish-black
Cobaltous sulphate, 2.5%	Lilac	Amethyst	Dark walnut brown	Dark brown	Very bluish-red
Nickel sulphate, 2.5%	Lilac	Lilac	Dark red-brown	Dark red-violet	Dark red-violet
Zinc sulphate, 2.5%	Dark cherry-red	Dark cherry-red	Dark red-brown	Dark cherry-red	Very bluish-red
Cadmium chloride, 2.5%	Reddish coffee-brown	Red-coffee-brown	Coffee-brown	Coffee-brown	Red-mahogany
Lead acetate, 3.5%	Red-violet	Red-violet	Bordeaux violet	Red-violet	Bordeaux
Sublimate crystals, 2.9%	Red-brown	Red-brown	Coffee-brown	Brown	Yellow-brown
Cupric sulphate, 2%	Red-violet	Cherry-red	Brown-violet	Red-violet	Maroon
Stannous chloride, 2%	Pernambuco red	Wine-red	Red-brown	Brown	Orange[3]
Tartar emetic, 2%	Orange-red	Orange-red	Coffee-brown	Dark brown	Red-orange[3]
Bismuth nitrate, 1.5% plus nitric acid	Red-brown	Dark cherry-red	Dark nut-brown	Dark brown	Red-orange[3]

[1] Tabulatbd from data cited by Soxhlet[5].
[2] Check results on birch, using 2 percent solution of calcochrome red S. C.
[3] After-treated with ammonia.

[3] William B. Dick:—Encyclopedia of Practical Receipts and Processes, fifth edition, 1892; pages 262 and 263.
[4] Fred T. Hodgson:—The Hardwood Finisher; the Industrial Publishing Company; 1892.
[5] D. H. Soxhlet:—The Art of Dyeing and Staining Wood, etc.; translated from the German by Arthur Morris and Herbert Robson; Scott-Greenwood Company, London; 1902.
[6] C. Godfrey:—The Hardwood Finisher: 1906.

(To be continued)

'Dipensol' Is Registered

WASHINGTON, July 6, 1937.

In a decision rendered by Leslie Frazer, Assistant Commissioer of Patents, the Patent Office has held that the Hercules Powder Company, Wilmington, Del., is entitled to register the term "Dipensol" as a trademark for a terpene hydrocarbon solvent for use in all processes and compounds using turpentine, notwithstanding the prior adoption and use by the Pennzoil Company, Los Angeles, of the term "Penzoil" as a trademark for lubricants and motor fuel oils. The opinion held that, inasmuch as the marks were not to be used on similar goods, there was no likelihood of confusion in trade.

Paint Materials

Lacquer Materials

(Continued from page 39)

Acetone.—A fair demand was noted in this market again last week. Prices were unchanged.

Butyl Acetate.—There was little to report here, usual buyers were ordering out in conservative fashion, and prices ruled unchanged.

Butyl Alcohol.—A fair demand was noted here at times during the week. Quotations were well maintained.

Dibutyl Phthalate.—This market continued to note an irregular demand. Prices were well held.

Ethyl Acetate.—Shipments were moving out in fair volume. No change was uncovered in quotations.

Tricresyl Phosphate.—A firm tone prevailed in this market again last week, with a good inquiry noted.

Driers

A leading producer of branded liquid and solid metallic driers has established a new list of prices for the third quarter of the year. Stearate driers continued in an unchanged position and were rather quiet.

Glues and Binders

Casein.—The market continued at 13c. per pound for 20-30 mesh in carlots and 13½c. per pound for the fine ground product. These prices were more prevalent in the West rather than the East and some of the sellers asked ½c. per pound higher for delivery to the Atlantic seaboard. Production was still heavy, although perhaps past its peak for the season. Hot weather has caused some dimunition of production since the first of the month. The demand was very light.

Glues.—The continued lack of buying interest was reported to have caused some price weakness in certain directions. The higher-priced sellers in the market have reduced prices to the general market level and there were reports of offerings at less than the figures generally named as the market.

National Chemical Opens Paint Plant in Brooklyn

The National Chemical & Manufacturing Company, Chicago, scheduled for July 12 the opening of its new plant in Brooklyn for the production of "Luminall" casein paste paint. The plant has been equipped with modern machinery and other facilities. It is located at 25 Forrest street.

The company, which is one of the pioneer manufacturers of casein paste paints, says that its business in Eastern territories has expanded so rapidly that even a recent enlargement of its plant in Chicago has not enabled it to keep up with the demand. Manufacturing operations in the new plant will be in charge of Dudley D. Sherman, who has been in charge of Eastern sales of "Luminall" for a number of years. Mr. Sherman will continue to direct sales in the East.

Color Code for Marking Steel Bars Is Printed

WASHINGTON, July 7, 1937.

The division of Simplified Practice, National Bureau of Standards, Department of Commerce, has announced that printed copies of simplified practice recommendation R166-37, "Color Code for Marking Steel Bars." are now available. Copies may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D.C., for 5c. each.

The recommendation, which was proposed and developed by the national committee on iron and steel of the National Association of Purchasing Agents, is limited to a color code for marking commonly used grades of steel, as represented by S.A.E. numbers.

Roxalin Displays Products In Large Exhibition Trailer

The Roxalin Flexible Lacquer Company, Elizabeth, N. J., has started an exhibition trailer on a tour of the industrial centers of the country to demonstrate what industrial finishes are and what they will do. The trailer is 22 feet long, specially constructed and elegantly equipped to display the finished products which are in cork-lined wall panels and show cases. More than 200 parts and assembled products actually in commercial production are displayed in this traveling exhibition hall.

Oils, Fats and Waxes

Cotton Acreage Increased, but Oil Futures Firmer with Lard —Refined Fish Oils Off Again—Chinawood Stronger Abroad and Here—Tallow Offerings Light and Tone Steadier

The market for vegetable, animal and fish oils, fats and greases appeared to have an improved tone last week, the change for the better in this respect apparently being the result mainly of an upward trend at times in lard and cottonseed oil futures. Offerings of many commodities were light throughout the week, and there was less disposition on the part of sellers to shade quotations. Here and there an improvement was reported in business. Much of the purchasing was still of the hand-to-mouth variety, but in some quarters an increase was noted in the volume of inquiries received for small or moderate quantities. The first government report on the cotton crop pointed to an increase in the acreage of 10.4 percent as compared with last season, the gain being in line with the expectations of the many.

Chinawood oil was a firm feature, the trend of prices being mainly upward abroad and here. Refined coconut oil was reduced moderately but the crude market appeared to have a fairly steady tone. Rapeseed oil continued firm owing to the smallness of supplies. Palm oil seemed to be steadier but prices underwent little change. Refiners of menhaden and sardine oils again reduced quotations moderately. Offerings of crude fish oils in primary markets were light and quotations were still nominal. Reports concerning menhaden fishing in some instances were less favorable. Stearic acid and red oil selling schedules were unchanged. Animal oil prices were stationary. Changes in cash lard quotations were generally moderate. Offerings of tallow continued light and the market presented a steady appearance.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Carnauba wax, No. 3 chalky, 1c. per lb.
No. 3 North Country, ¾c. per lb.
Chinawood oil, ¼c. to ½c. per lb.
Lard, 50c. per 100 lbs.

Reduced

Coconut oil, refined, ¼c. per lb.
Copra, 1-10c. per lb.
Corn oil, crude, ¼c. per lb.
Menhaden oil, refined, 2-10c. per lb.
Peanut oil, crude, ¼c. per lb.
Sardine oil, refined, 1-10c. per lb.

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
136.2	**136.2**	**142.8**	**121.6**

Market news that may have developed after this report was sent to press will be found on page 4.

Vegetable Oils

Babassu.—Prices lacked further quotable change andthe tone of the market appeared to be steadier than recently. Buying interest continued light.

Chinawood.—A firmer tone prevailed in domestic markets last week, the trend of prices being mainly upward here and on the Pacific coast, in company with a stronger situation abroad, where the market was apparently influenced by an increase in buying interest on the part of importers in this and other countries. The advance in prices failed to be followed by any increase of cousequence in offerings, and in some quarters supplies available for prompt or nearby delivery were said to be small. The inquiry was somewhat more active though actual business apparently did not involve important quantities.

Corn.—With offerings of crude oil reported as light, quotations appeared to be mainly nominal at around 8c. per pound in tankcars. Buying interest was slack, consumers being inclined to hold off for further developments in other commodities. Refined oil was fairly active and steady.

Cottonseed.—Edible oil was somewhat more active, though consumers were not inclined to anticipate. The market was steady, previous selling schedules being adhered to by refiners. Offerings of imported oil were light and quotations were generally nominal.

Palm. — Quiet conditions prevailed much of the time, although inquiries were not entirely lacking. Supplies of Niger on spot appeared to be small and offerings for shipment were reported as light or moderate. The ruling tone was steady and quotations underwent little change.

Perilla.—The inquiry continued light, but there was no increase in offerings on spot or for arrival and the market retained a steady tone.

Rapeseed.—A firm tone prevailed, 95c. per gallon being an inside quotation. Spot supplies are small and replacement costs remained high. Shipments of seed from India to the United Kingdom and the Continent from January 1 to June 23 were 23,500 tons against 19,600 tons in the same time last year.

Teaseed. — The market remained steady, previous prices generally being repeated. Supplies in some quarters appeared to have diminished. There was a fair inquiry.

Markets at Other Centers

San Francisco, July 7.—A mid-summer slump, accentuated by the recent holidays, appeared to be responsible for a very slow period in vegetable oil trading during the past week. Prices in several cases remained just nominal, but on the whole the market seemed to be holding to a fairly steady course. In any event, there were no material changes in quotations either one way or the other, and if anything the situation is slightly firmer in tone. Contract deliveries went ahead at a routine pace and arrivals of oils from the Orient were noted as being plentiful. Fairly ample supplies of cottonseed, perilla and chinawood oils are for sale on the spot. There is no particular buying interest in the market at all, aside from very occasional inquiries.

Ruling prices are:—

COCONUT.—The market is steady, although sales are slow. Quoted at 4¾c. per pound for future delivery in tankcars, f.o.b. Pacific Coast ports and/or mills. Prompt and nearby oil is quoted on the basis of 5c. per pound.

COPRA.—Following business earlier in the period at a 3-cent per pound level, crushers on the Pacific Coast successfully bid the market down during the past few days to a point of 2.95c. per pound, c.i.f. Pacific Coast ports, for forward shipment from the Philippines. Quotations today are ruling at 3 cents, although there are said to be sellers in the market willing to let go at the 2.95c. price. The market has not been overly active, although a number of parcels have been bought to make for replacements against recent sales of oil.

BABASSU.—Quoted nominally on the basis of 8c. per pound in tankcars, f.o.b. mill, Pacific Coast, for July-September shipment. Spot and nearby oil is also reported available.

CHINAWOOD.—Steady. Quoted for any position throughout the year, July shipment forward from the Pacific Coast at from 11.80c. to 11.90c. per pound in tankcars, f.o.b. ports.

COTTONSEED.—Steady. Japanese semi-refined oil is quoted at 8⅞c. per pound, July-August shipment from the Orient, with spot and nearby stocks available on this basis, tankcars, f.o.b. Pacific Coast ports, duty paid. Brazilian and Chinese oil is quoted nominally at 8⅝c. per pound.

PERILLA.—Forward and prompt shipment oil is quoted on the basis of 10.20c. per pound in tankcars, f.o.b. Pacific Coast ports, duty paid.

SESAME.—Crude sesame seed oil is quoted nominally at 8¾c. per pound in tankcars, f.o.b. Pacific Coast mills.

TEASEED.—Quoted in a nominal position at 9c. per pound in tankcars f.o.b. Pacific Coast ports, July-September shipment from the Orient.

Chicago, July 9.—Aside from a slight advance in Chinawood oil, the vegetable oils mostly have been marking time, with no special movement reported. Some reports, however, have indicated that buyers are now showing somewhat more interest than previously.

COCONUT.—Crude oil, 4⅞c. to 5c. per pound, prompt shipment; 4¾c. to 5c., deferred.

CORN.—Crude, low acid, 8⅛c. to 8¼c. per pound, mills, partly nominal. Refined, edible oil, 11½c. to 11¾c. per pound, drums, car lots; and 12c. to 12½c., drums, less than car lots.

CHINAWOOD.—Ruling, spot, drums, 13½c. to 13⅝c. per pound; futures, 12⅛c. to 12¼c.

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

SOYBEAN.—Crude, prompt shipment, 7¾c. per pound, drums.

PEANUT.—Crude, 8⅜c. to 8½c. per pound, Southeast.

Chicago, July 9.—Range for spot soybeans for the week ended July 7:—No. 2, yellow, low, $1.38; high, $1.43½.

London, July 1. — Soybean, British crude, 32s. per hundredweight; palm kernel oil, refined, 33s. 6d.; rapeseed oil, crude extracted, 36s.; coconut oil, Ceylon, 26s. 6d.; peanut oil, Bombay crude, 31s. 3d.; sardine oil, 20s.; whale oil, crude, 21s.

Linseed Oil

Domestic markets for flaxseed futures were quiet. Prices were irregular. Changes in foreign quotations generally moderate. Linseed oil, cake and meal steady.

Flaxseed—DULUTH, July 9.—The sharp advances in wheat and other grains were largely responsible for the gains made by flax. The previous seven days have been fair and cool throughout the flax growing territory of the Northwest. West from Devils Lake, N. D., rains will be needed within a week. The Red River Valley and Minnesota look good at present, it was said. Canadian flax areas need rain badly, it was stated in trade reports.

The week's closing price range was as follows:—

	Cash.	July.	Sept.
Saturday	$2.02	$2.02	$2.02
*Monday	...	...	...
Tuesday	2.04	2.04	2.04
Wednesday	2.03	2.03	2.03
Thursday	2.02½	2.02½	2.02½
Friday	2.00½	2.00½	2.00½

* Holiday.

Crop movement in bushels follows:—

	Receipts—		Shipments—	
	1937.	1936.	1937.	1936.
This week..	4,372	17,299	3,000	153,392
Since Aug. 1...	962,447	3,893,950	1,299,335	2,693,759

MINNEAPOLIS, July 9.—Demand for local offers of cash flax is slow, chiefly on account of quality. There is virtually no desirable crushing seed coming to market and elevators are picking up the arrivals to deliver on September contracts, futures of that month having a slight carrying charge. Deliveries on July contracts so far

STEARIC ACID
Single Pressed and Double Pressed
Now available in either cake or flake form
Triple Pressed
IVORY BRAND
RED OIL
(OLEIC ACID)
RUBY OLEINE BRAND *{distilled}*
STAR BRAND
{saponified}
CANARY BRAND
{very pale yellow, especially suitable for best types of dry cleaners' soaps.}
PROCTER & GAMBLE
MAIN OFFICES
Gwynne Bldg., Cincinnati, Ohio
205 E. 42nd St., New York City
Branches and stocks in all large cities

HI-VITE Wheat Germ Oil. Processed to retain its NATURAL VITAMIN E. Gallons, 5s, 10s and drums. List your requirements with us.
NATURAL VITAMINS, Inc. Sanford, N. C.

A. GROSS & CO.
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Since 1837 Manufacturers of Saponified and Distilled
FLAKE STEARIC ACID STEARIC ACID RED OIL
FATTY ACID GLYCERINE
STEARIC and BEESWAX CANDLES CHURCH ACCESSORIES
Sales Office: 122 East 42nd Street New York
Factories: Newark, N. J., and Baltimore, Md.

GLYCERYL-MONOSTEARATE
in unexcelled purity, free from soap or excess acids
Pure (fractionated) and technical
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and their Esters of Glycerol, Glycols and other Alcohols
Free samples to manufacturers
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92 LIBERTY STREET NEW YORK CITY

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for all purposes
RED OIL • • • GLYCERINE • • • CANDLES
THE M. WERK CO., CINCINNATI, OHIO, U. S. A.
Established 1832
New York Sales Office • 15 Moore St., • New York City
Chicago Sales Office • 4103 So. La Salle St., • Chicago, Ill.

show a total of 35,000 new and 1,000 old. The holder of July contracts is accepting the seed because of the fact that he can make a little money carrying it until September.

Virtually all of the flax now coming on the market is very thin No. 1 or a No. 2 grade. It is of the type that had no value as seed stock and much of it is coming in clean-up cars. No large cars have been reported during the week. The seed originates in North Dakota chiefly. Local public elevator stocks increased 5,000 bushels in four days. A few cars of Argentine seed drift down from Duluth from time to time.

Trade in futures is very limited and the buying power is almost entirely speculative and through commission houses. Crushers are not buying and as they are not taking up cash seed have no hedges to offer. Most of the trade is in September future.

The week's closing price range was as follows:—

	Cash.	July.	Sept.
Saturday	$2.03	$2.00	$2.02
*Monday	...	...	...
Tuesday	2.05	2.02	2.04
Wednesday	2.04	2.01	2.03
Thursday	2.04	2.00½	2.02
Friday	2.01	1.98	2.00½

* Holiday.

Crop movement in bushels as follows:—

	Receipts 1937.	Receipts 1936.	Shipments 1937.	Shipments 1936.
This week	17,140	15,000	....	37,500
Since Sept. 1	4,523,030	8,574,270	479,300	1,547,190

WINNIPEG, July 9.—Trading in flaxseed futures continued quiet. Prices were irregular. The week's closing range was as follows:—

	Cash.	July.	Oct.
Saturday	$1.82¼	$1.82¼	$1.84⅜
Tuesday	1.82¼	1.82¼	1.83
Wednesday	1.79½	1.79½	1.81
Thursday	1.80⅜	1.80⅜	1.82⅞
Friday	1.80	1.80	1.81½

BUENOS AIRES, July 9.—Opening prices per bushel on July contracts were:—

	Last week.	Last year.
Saturday	$1.31¾	$1.24½
Monday	1.31¼	1.24⅝
Tuesday	1.30⅝	1.27⅛
Wednesday	1.31	1.27⅝
Thursday	1.32¼	*...
Friday	1.32⅛	1.29

* Holiday.

Exports

To—	Last week.	Previous week.	Last year.
United States	339,000	248,000	79,000
United Kingdom	4,000	.....	.....
Continent	433,000	362,000	929,000
Orders	209,000	98,000	295,000
Others	575,000	39,000	.....
Totals	1,560,000	747,000	1,303,000

Since January 1

To—	This year.	Last year.
United States	17,382,000	5,681,000
United Kingdom	476,000	299,000
Continent	12,295,000	16,287,000
Orders	12,388,000	8,026,000
Others	3,918,000	1,242,000
Totals	46,459,000	31,535,000

Visible Supply

	Bushels.
Last week	7,087,000
Previous week	6,693,000
Last year	6,299,000

INDIA.—Exports of flaxseed from India last week were as follows:—

To—	Last week.	Previous week.	Last year.
United Kingdom	248,000	224,000	540,000
Continent	4,000	16,000	16,000
Others	36,000	.....	.....
Totals	288,000	240,000	556,000

Since April 1—	This year.	Last year.
United Kingdom	2,604,000	3,436,000
Continent	120,000	664,000
Others	128,000	44,000
Totals	2,852,000	4,144,000

HULL, July 9.—Quotations on flaxseed were:—

	La Plata.	Bombay.
Saturday	£13	£15½
Monday	13	15½
Tuesday	13	15½
Wednesday	13	15⅝
Thursday	12⅞	15⅝
Friday	12⅞	15⅝

Linseed Oil.—The local market for linseed oil remained quiet during the week, buying interest being very limited much of the time on the eve of the first government report on the flaxseed crop which was due late in the week. A steady tone prevailed and quotations were generally held at the levels ruling in the previous period with 10.4c. per pound named for oil in tankcars.

There was a steady movement of oil into consuming channels on contracts, however, and supplies at the mills remained at a low level. Advices from outside crushing centers were also to the effect that the requirements of consumers were holding up well despite the quietness of new business and that there were no additions to supplies at the mills.

Trade in cash seed in domestic markets was reported as quiet but this was apparently due to the poor quality of the arrivals rather than to a lack of buying interest on the part of crushers and cash houses. Business in futures remained slow, traders being inclined to hold off for the monthly government crop report.

Advices from private sources in the Northwest were still in the main of a favorable character but there were conflicting views as to the size of the acreage. Reports concerning the situation in Argentina were to the effect that rain was needed for the new crop which is now being seeded.

Receipts of flaxseed at New York last week were 316,039 bushels. According to advices from the Pacific Coast, the Imperial Valley of California this year has a flaxseed acreage of 25,000 acres with a yield of approximately 18 bushels per acre, about 12,000 tons. A sizable quantity of the oil to be produced from this seed has been sold, it is stated, to factors in the Los Angeles metropolitan area. Over 5,000 tons of linseed meal have also been sold.

MINNEAPOLIS, July 9.—There was just a little improvement in the demand for small lots of linseed oil during the past week, but no volume of importance in any sized lots. Buyers are showing a little more interest in deferred shipment, but so far have not signed orders for late delivery. Most of them are waiting on new crop news and a more definite line on the Argentine acreage for this season.

Virtually no tankcar lots are being asked for at present and only a few cooperage cars. Although there is fairly steady inquiry for new crop shipment no bids are offered and no offers are accepted apparently the buyers are just fishing for ideas.

Supplies on hand are very low and it is doubtful if they are sufficient to care for current open commitments. Because of the meal situation crushers are loath to increase operations and hope to get by with their present stocks and output. Only in case of necessity or improvement in theh meal market will capacity be increased.

Quotations on carload lots f.o.b. Minneapolis, cooperage car lots, 11c. per pound, tankcar lots 10.4c. per pound, warehouse lots 11.4c. per pound.

Shipments of oil in pounds were as follows:—

	1937.	1936.
This week	181,961	1,537,608
Since Sept. 1	63,203,035	99,757,007

CHICAGO, July 9.—No features having developed in the linseed oil market here recently, the tone is quiet, and the price structure is unchanged. Buying has been along routine lines for some time. Buyers are in the market for fair amounts, and also are sending through some inquiries for additional quantities. Ruling prices of representative sellers are:—Tankcar, 10.4c. per pound; car lots, 11c.; warehouse deliveries, drums, 11.4c.

SAN FRANCISCO, July 7.—The buying trade has been passing up linseed oil offerings and for several weeks now this market has been lacking in anything beyond an occasional sale. Quoted:—Tankcars, 10.6c.; drum car lots ex mill, 11.2c.; drum lots ex warehouse, 11.6c.

LONDON, July 9.—Quotations on linseed oil were:—

	Per cwt. s.	d.
Saturday	29	9
Monday	29	9
Tuesday	29	7½
Wednesday	29	6
Thursday	29	9
Friday	29	9

Cake and Meal.—A steady tone prevailed in the market here for spot material, quotations being maintained at the levels ruling in the previous week. The export inquiry for cake was quiet. Domestic purchases of meal were generally limited to moderate quantities.

MINNEAPOLIS, July 9.—Meal tone is slightly better but there is no business of consequence passing. Weather through the northwest is dry and hot and pastures are drying up rapidly. For this reason crushers are not pressing the market and buyers are coming to them for nearby stuff at asked prices in most cases. There is no re-selling of importance and no competition from other high concentrates.

Shipping instructions come with the orders. There is no old business to clean up. Stocks on hand are liberal.

Quotations on carload lots, f.o.b. Minneapolis, $34.50 to $35 per ton.

Shipments of meal in pounds were as follows:—

	1937.	1936.
This week	1,929,655	2,900,671
Since Sept. 1	97,144,669	180,376,261

Cottonseed Oil

The trend of refined cottonseed oil futures was upward at times, the market being influenced mainly by strength in lard. Southern markets were quiet.

Cottonseed Oil.—The market for refined cottonseed oil futures continued rather quiet much of the time last week. Commission houses in some cases were more prominent in the dealings but as a rule local and other traders were not inclined to add materially to their commitments on either side of the account on the eve of the publication of the monthly government cottonseed report. Sentiment in some quarters appeared to be more friendly to the long side of the market, however, as developments in lard futures were of a strengthening character, the trend of prices for that commodity being upward at times in Chicago with some broadening of speculation. The strength of lard was attributed by some to smaller receipts of hogs than had been expected and to the firmness of hog prices.

On upturns in cottonseed oil there was selling for account of some who purchased on the recent decline to around 9 cents for new crop months. Some who are bullish in their views as to the probable course of prices in the long run were inclined to hold off for further developments in the cotton crop situation, as well as for the appearance of the Census Bureau figures, although it was contended that the consumption report is not likely to have any material influence as a market factor at this stage of the season unless the figures should be much below or above general expectations. The consumption in May was about 185,000 barrels.

The first monthly government report on the cotton crop was published on Thursday. It put the acreage as of July 1 at 34,192,000 acres. This was an increase of 10.4 percent as compared with last season, or about what many in the trade had expected. At one time earlier in the season the indications, according to reports from private sources, pointed in some cases to an increase of about 15 percent. Vegetable products which compete with cottonseed oil were steadier than recently. The tone of the market for tallow also showed improvement. There were reports of a somewhat better inquiry for lard compound. The export movement of lard continued slow so far as new business was concerned, though there were fair shipments on old contracts. According to an official report, the indications now point to a cotton production in Argentina of only 41,600 tons for the current season, a reduction of about 50 percent as compared with last season, due to locust damage.

The weekly government weather and crop report stated that in Texas crop progress continued fair to good, with bolls opening rapidly and picking progressing in the extreme South. In Oklahoma progress and condition continue fair to good, though there is complaint of grasshopper damage in some western counties. In Arkansas the weather was favorable except for too much rain in the northeast. In the Mississippi Valley generally dry, sunny weather was favorable for holding weevil in check. From Alabama and Tennessee eastward there was considerable rainfall, the increased moisture being beneficial in some localities, but favoring weevil activity in others.

Trading in bleachable prime summer yellow cottonseed oil futures on the New York Produce Exchange from July 6 to July 9, inclusive, comprised 486 contracts (including two switches) for a total of 29,160,000 pounds. Following is a price record for the week:—

	Cents per pound in tanks. High.	Low.	Close.
January	9.43	9.18	9.41 sales
July	9.56	9.15	9.48@9.60
September	9.55	9.17	9.44@9.45
October	9.57	9.07	9.44@9.45
December	9.48	9.07	9.38 sales

Crude, Southeast, 8.25c. nominal.
Valley, 8.25c. nominal.
Texas, 8.00c. nominal.

Hull, July 9.—Quotations on cottonseed oil were:—

	Refined. Per cwt. s.	d.	Egyptian crude. Per cwt. s.	d.
Saturday	29	6	26	6
Monday	29	6	26	6
Tuesday	29	6	26	6
Wednesday	29	6	26	6
Thursday	29	6	26	6
Friday	29	6	26	6

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

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Cake and Meal.—Southern markets were generally reported as quiet so far as pot material was concerned. Offerings were light and were expected to continue so until new crop seed commences to move. Some interest has latterly been reported in distant positions.

Markets at Other Centers

Atlanta, July 7.—No changes are reported in cottonseed products prices during the week. Trading is reported quiet.

Crop conditions are reported favorable, although frequent showers are increasing the boll weevil menace throughout the South.

Quotations of the market are as follows:—

OIL.—Prime crude, 8½c. per pound.

MEAL.—7 percent grade, $38 per ton, interior mill points.

HULLS.—$13 ton.

Memphis, July 9.—Crude cottonseed oil remains quiet. A few prompt shipment tanks available at 8½c. Meal remains steady at $32 per ton for 41 percent, Memphis basis. Slab cake $29 per ton for 41 percent at Valley points. Some new crop 41 percent meal sold in Texas at $28.50 per ton, Corpus Christi, and new crop cake at $28 and $28.50 per ton at interior Texas points. Government acreage report lower than expected. Allowing for the usual abandonment of acreage of about 3 percent and figuring on a production of 200 pounds of lint cotton per acre, which is a liberal estimate, the figures indicate a crop yield of 13,650,000 bales. The report is considered bullish. The crop killing period is now at hand and may result in a lower yield per acre than expected.

Closing cottonseed meal quotations on the Memphis exchange were as follows:—

	July 1.	July 8.
July	$31.25@31.75	$30.50@31.25
September	26.85@—	26.50@27.00
October	26.25@27.25	26.10@26.75
December	26.25@—	26.10@26.50

Animal Oils

Lard.—The market retained a steady tone and previous selling schedules continued in effect. There was a fair demand for the various grades though consumers were still disinclined to anticipate.

Neatsfoot.—No broadening of trade was noted, but there were reports of a somewhat better inquiry for small or moderate quantities to fill current needs. The market was steady.

Oleo.—Inquiries were received in a somewhat larger volume and the market appeared to have a steadier tone though prices were without quotable change.

Tallow.—The market retained a steady tone. There was a fair inquiry.

Markets at Other Centers

Chicago, July 9.—A slightly better tone has been noted in some sections of the animal fats market. While trade goes ahed at no great rate, the amount of business coming into sight currently seems to be reaching moderately good levels, and sentiment appears to be a little firmer. Lard and oleo are offered in limited quantities. Buyers are taking out fair amounts at this time.

LARD.—No. 1, 12c. to 12¼c. per pound.

OLEO.—No. 2, 12¼c. to 12½c. per pound.

TALLOW.—Acidless, 11c. to 11¼c. per pound, tanks; 12c. to 12½c., drums.

Fish Oils

Menhaden.—The market for refined oil was easier, quotations being reduced 2/10c. per pound by local interests. There was little change in the character of business, consumers still being inclined to adhere to a conservative course in making purchases. The call for moderate quantities, however, was fair. Crude was reported as quiet and nominal in the primary market in the absence of any increase in offerings. Reports concerning fishing operations were less favorable.

Sardine.—Quotations were reduced 2/10c. per pound by refiners. There was a fair demand through consumers were not inclined to purchase ahead. Crude was reported as quiet on the coast.

Whale.—The market for refined oil was steady, quotations being held by refiners at the levels prevailing in the previous week. There was a fair demand.

Markets at Other Centers

San Francisco, July 7.—All in all the situation was an exact repetition of the previous week, wherein bids were standing from buyers at 37½c. per gallon for California sardine oil in answer to offers on the market of 45 cents. Some factors in the potential buying trade said they had received practical offers of oil at 42½ cents and that it was possible to buy oil at 40 cents, although no sellers were found who would express themselves on the latter. It was extremely doubtful if any offers were in the market at the latter price aside from possible speculative channels.

Herring production in Alaskan waters remained poor last week, reports reaching here today said, and it was further declared that no portion of the seasonal yield up there had been sold. Nor has any of the Canadian pilchard oil crop ben spoken for, it is reported here in reliable channels.

At the moment the only area in actual fish oil production on the Coast is Alaska. Canadian pilchard is expected to open up this month, but there may be some difficulty in getting enough fish to start until later. So far nothing has been done off the Oregon and Washington coasts, although during the past two years operators were making attempts to get under way during June. It is doubtful if much will be heard from Oregon and Washington this season. Operators, however, declare they will continue to operate their plants in those States. Operations to date have not been satisfactory there.

Baltimore, July 7.—With the catch of menhaden on the lower Chesapeake Bay and outside the Virginia capes not up to last year because of the prevalence of high winds and rain, there have been no further sales of fish oil, both sides still holding off and quotations of actual figures not being available. Conditions seem to be fairly stable, however, with no complicating developments in other areas, such, for instance, as the Florida yield of menhaden, where the fishing companies are still concerned with filling contracts already placed. There is some talk of a strike of crews on the fishing steamers, though a definite decision has not yet been reached. It appears that 1,500 of the 2,500 men engaged in the industry are willing to walk out, having some affiliation with the C.I.O. and being organized in a way. But the leaders have not yet reached a final decision, it seems, and more or less uncertainty prevails as a consequence. The situation is to some extent influenced by the fact that on the West Coast there has been an increase of perhaps sixty boats in the fishing fleet, with the production of oil correspondingly augmented, and this will enter into the calculations of the Eastern producers. The fishing companies in Delaware are reported to be doing quite well in point of production of oil, with the catch good.

Fats and Greases

Grease.—The market remained in a steady position, quotations for the various grades generally being held by sellers at previous levels. Business continued along conservative lines.

Lard.—Trade in cash product in the local market lacked snap, but there were reports of a fair inquiry. Changes in quotations were generally moderate. Marketing of live hogs in the West continued rather light in comparison with the movement at this time last year.

Stearin.—Quotations were unchanged and the tone of the market appeared to be steady. Business was quiet.

Tallow.—Quiet conditions prevailed much of the time last week, but the tone of the market appeared to some to have undergone improvement. Offerings were light throughout the week. Occasional inquiries were received, but large consumers in the soap industry were still inclined to hold aloof, as usual at this period of the year. The last business reported was on the basis of 8¼c. per pound for extra delivered.

There were no transactions in tallow futures on the New York Produce Exchange. On Friday, July closed at 8.20c. to 8.60c; October, 8.30c. to 8.60c.; December, 8.40c. to 8.65c.

Markets at Other Centers

Chicago, July 9.—While the cash lard market is a little slow at this time, tone is reported better, partly perhaps in keeping with the improvement in the more speculative markets to which it is allied. Buyers have continued to adopt cautious tactics. Shipping trade has been slow.

The range of lard quotations from the opening Saturday, July 3, to the close Friday, July 9, is shown in the following table:—

	Per 100 pounds				
	Open.	High.	Low.	Close.	Previous Friday.
Cash	$11.92	$12.25	$11.92	$12.15	$11.97
Sept.	12.17	12.55	12.10	12.40	12.17
Dec.	12.00	12.52	11.97	12.35	....

TALLOWS (tierces).—Edible, 8½c. to 8¾c. per pound; prime, 8½c. to 8⅝c.; fancy, 8½c. to 8¾c.; special, 8¼c. to 8½c.; No. 1, 8⅛c. to 8⅜c.

GREASES (tierces).—Choice white, 8c. to 8¼c. per pound; A white, 8½c. to 8⅝c.; B white, 8¼c. to 8⅜c.; yellow, 10-16, 7¾c. to 8c.; yellow, 16-20, 7⅝c. to 7¾c.; brown, 7¼c. to 7½c.

STEARINS (barrels).—Prime oleo, 9¼c. to 9½c. per pound; lard, packages, 13¼c. to 13⅜c.; A white grease, 8⅝c. to 8¾c.; yellow grease, 8¼c. to 8½c.; extra oleo stocks, 12¼c. to 12½c.; No. 2 stocks, 11½c. to 12c.

Liverpool, July 9.—Quotations per cwt. on refined American lard were as follows:—

	Spot.	July.	Sept.	Oct.
	s. d.	s. d.	s. d.	s. d.
Saturday	66 0	59 6	60 3	60 6
Monday	66 0	59 3	59 9	60 0
Tuesday	66 0	58 6	59 3	59 6
Wednesday	66 6	60 0	60 6	60 9
Thursday	66 0	60 0	60 9	61 0
Friday	67 0	60 9	61 0	60 9

Liverpool, July 9.—Quotations per cwt. on tallow were as follows:—

	Choice.	Fine, good mixed.
	s. d.	s. d.
Saturday	25 6	25 3
Monday	25 6	25 3
Tuesday	25 6	25 3
Wednesday	25 6	25 3
Thursday	25 6	25 3
Friday	24 9	25 3

Fatty Acids

Red Oil.—Quotations were maintained by producers at the levels ruling in the previous week, the tone of the market being steady. Business lacked snap, but there was a fair inquiry.

Stearic Acid.—Raw material appeared to be steadier, but aside from this the situation lacked new features. Quotations were unchanged. Business was on a moderate scale.

Markets at Other Centers

Chicago, July 9.—The fatty acids market here has been marking time. The buyers for the most part have been somewhat indecisive about placing heavy orders, waiting for the chance of a price recession. At the same time the sellers have not been anxious to reduce their quotations, thinking that some upturn in values might put in its appearance soon.

FATTY ACIDS.—Corn oil, double distilled, 8c. to 8¼c. per pound, tankcar; 8½c. to 8¾c., barrels, car lots; 9c. to 9¼c., barrels, less than car lots; coconut oil, acidulated, 8¾c. to 9c. per pound, tankcar, partly nominal; 9¼c. to 9½c., barrels, car lots; 9¾c. to 10c., barrels, less than car lots; cottonseed oil, double distilled, 8c. to 8¼c. per pound, tankcar; 8½c. to 8¾c., barrels, car lots; 9c. to 9¼c., barrels, less than car lots; settled cottonseed soap stock, 60-62 percent basis, 3⅞c. to 4c.; boiled down soap stock, 65 percent basis, 4⅞c. to 5c.; cottonseed foots, 50 percent basis, 2¾c. to 3c.

STEARIC ACID.—Single press, distilled, 12c. to 13c. per pound; double press, 12½c. to 13½c.; triple press, 15¼c. to 16¼c.

RED OILS.—Distilled or saponified, drums, 11⅜c. to 12⅜c.; barrels, 11½c. to 12½c.

Waxes

Bees.—Firm undertone and fair demand made for a steady and well maintained market on this item. Stocks of bleached wax were naturally increasing, but the cost of production has held high because of the prices paid for raw material and hence the situation was generally favorable for the maintenance of exceptionally firm values on the manufactured material. Refined yellow was in similar position. Prices on crude remained very firm.

Candelilla.—A generally dull market was reported, but quotations were mainly firm here because of their steady position in the primary market from whence came offerings of but moderate quantities.

Carnauba.—All reports from Brazil were full evidence of the firmness of values generally and the utter disregard of shippers for bids submitted from this country. It appeared that the supplies will be not overly abundant, or at least that they were in hands and subject to a potential world-wide demand that made for the successful maintenance of values generally. Quotations on the spot worked up somewhat in keeping with the situation at the source and the market was as follows: No. 3 chalky, 3-ton lots, 37½c. to 38c. per pound; 5-bag lots, 38c. to 38½c.; 1-bag lots, 38½c. to 39c.; No. 2, North Country, 40c. to 40½c.; refined, 41¼c. to 41¾c.; No. 1 yellow, ton lots, 45½c. to 46c.; 5-bag lots, 46c. to 46½c.; 1-bag lots, 46½c. to 47c.; No. 2 yellow, 43¾c. to 44¼c.

Japan.—The market was distressed by the prevalent tendency toward selling at prices so close to replacement cost as to eliminate the profit motive from business done. Demand was narrow enough to encourage that situation.

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

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The country from the Rocky Mountains on the west and the Canadian boundry on the north; from Denver southeast to North Carolina on the south, and from Main to south North Carolina on east, was tight belted last week by heavy, humid weather that accompanied high temperatures which were, in many instances, record-making for this year. So extreme was the weather that numerous manufacturers of drugs and fine chemicals were disposed in part to attribute to the heat wave the fact that business, in a broad sense, was substantially less than it had been late in the previous month. The view was also advanced that the full flowering of the vacation period was in part responsible for the recession of business volume. Whatever the reason, the fact was that trade was slower and generally lethargic last week, save for those materials the use of which is increased by the very weather conditions that reduced the call for other items.

Citric and tartaric acids came in for an excellent call, and the sale of other merchandise needed for the production of beverages mounted in highly satisfactory fashion. A good demand for items used in the preparation of protectives against sunburn and other afflictions incident to hot weather was also reported.

Pricewise, the week was productive of very little. The principal change was a reduction in quotations on natural methyl acetone. Even that movement was a nominal one as it merely brought out into the light a schedule at which the item had been selling subrosa for some weeks past. Adverse reports on the corn crop strengthened the position of grain alcohol. Cocoa butter was higher on the basis of production costs.

Labor troubles, actual and threatened, hung over the drug trade and were a disconcerting and unsettling factor in the market. Hardly a day passed without its quota of disturbing reports concerning labor's activities in channels of drug distribution.

Acetanilide.—Shipments to makers of sulfanilamide were in high volume, giving a strong tone to the market. Such manufacturers were often far behind in the deliveries of orders and hence their calls for acetanilide were insistent and persistent at all times.

Acid, Acetylsalicylic.—Fair demand and a movement in line with that normal for this article at the current season of the year was more than sufficient reason for the stability of the prevailing price schedule.

Acid, Citric.—Demand was enlivened by the arrival of the first entirely typical temperatures to come this Summer. In the East, the highest readings thus far on the thermometers, official and otherwise, were recorded in company with heat prostrations and deaths. The result of the hot weather was a sharp rise in the consumption curve of citric acid and general firming of the market.

Acid, Pyrogallic.—Excellent consumption of the high qualities of this material resulted from the demand originating in the photographic trade. The market was fully firm in all respects.

Acid Tartaric.—High rate of seasonal demand was reported in keeping with the enlarged requirements of the manufacture of acidulated beverages. When demand was added to the high cost of production caused by the advancing raw material prices in recent weeks, an exceptional firm, virtually strong, market prevailed.

Alcohol.—In September, the use of formula S. D. 23-g in the preparation of rubbing alcohol was expected to result in a market rise jn the sale of this already widely used formula and some time in the not far distant future a schedule of prices based on the new denaturants required when the formula is destined for that use will be put into effect. In the meantime, sales of industrial alcohol was expected to move along seasonal lines. In view of the strength of raw materials, values were expected to remain firm as the very least of developments. Somewhat adverse news concerning the corn crop came from some of the producing states, particularly from Nebraska where a plague of grasshoppers jeopardized the probable production in that state. Elsewhere, the crop seemed to be making fair progress but with prices so fully firm as to keep grain alcohol to a basically well maintained position for the present and future alike.

Aloin.—Demand at the new prices recently established was reported to be very good and the market was generally on the firm side because of the added reason that the cost of raw material lacked any signs of easier tendency.

Bismuth and Metal Salts.—The situation changed little. It was still one of prices on salts being too low when compared with the cost of metal. As to demand, it was fair to moderate throughout the period and prices seemed to be steady.

Borax.—Shipments were being maintained in good volume and hence production at the mines was running to figures comparing well with those established during the early part of the first half of the year. Values were firm in all respects.

Cadmium Metal and Salts.—The metal market was fully firm as demand for the same appeared to be, if anything, ahead of the supply. Prices on the entire group of items were well maintained in all respect.

Camphor.—Sales to some paint manufacturers were said to be making an excellent business in this item and the development was believed to be one fairly new in the camphor trade. Prices held firm.

Castor Oil.—Business was fair and compared well with that in recent weeks. However, some consumers indicated some contraction in their requirements. However, prices for oil showed no signs of unsettlement and the general tone of the market was steady.

CHICAGO, July 8.—Castor oil lacks special feature. Ruling prices are:—No. 1, drums, car lots, 10⅞c. per pound; drums, less than car lots, 12c.; barrels, car lots, 11⅛c.; barrels, less than car lots, 12¼c.; five-gallon tins, 13¼c.; one-gallon tins, 15¼c.; No. 3, drums, car lots, 10⅜c.; drums, less than car lots, 11½c.; barrels, car lots, 10⅝c.; barrels, less than car lots, 11¾c.

Cocoa Butter.—Prices were up 1c. per pound, making the market 18½c. to 19c. per pound in car lots, thus conforming with the present cost of production.

Cream of Tartar.—Firm undertone and fair demand were the rule. No weakening in the position of raw material was noted, nor was any expected to develop in the nearby future. Quotations were firm.

Glycerin.—The market was steady in undertone and some strength was added to the position of the article by reason of the steadier position occupied by raw material at the present time. Demand for chemically pure material was very good and deliveries were reasonably prompt in practically all quarters.

Iodine and Iodides.—Sales of domestic crude iodine in 1936 totaled 233,925 pounds, valued at $212,636. This was a decrease of six percent in quantity and about fourteen percent in value as compared with trade in 1935. There was also no more than half those in 1933, when 401,525 pounds were sold for a value of $669,289. The home produc-

Price Changes

Prices were changed during the past week as follows:—

Advanced

Cocoa butter, 1c. per lb.

Reduced

Methyl acetone, natural, 3c. per gal.

Comparative Values

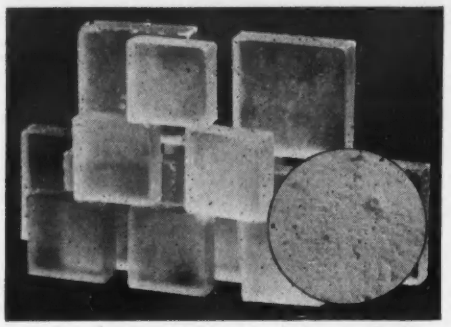
Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week	Prev. week.	Last month.	Last year.
181.6	181.6	181.5	179.1

Market news that may have developed after this report was sent to press will be found on page 4.

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7

Every Tablet of
SHERKA CAMPHOR, U. S. P.
(*Synthetic*)
is identical in quality, purity and capacity for camphor action . . .



Surface of Sherka Synthetic Camphor U.S.P. Tablet magnified 150 times to show uniform structure and fineness.

for MEDICINAL, MOTH PREVENTIVE and OTHER PURPOSES

Meets all U. S. P. requirements—lower in price than the natural camphor. Tablets (½ and 1 oz.), Slabs (2½ lbs.) and Powder — all available from one source.

Write for comparative samples and prices to

SHERKA CHEMICAL CO., Inc. or **GEORGE UHE COMPANY**
Bloomfield, N. J. — Importers 80 Eighth Avenue, New York, N. Y. **Distributors**

RUSSIAN WHITE MINERAL OILS

Genuine Imported U. S. P. — FLAG BRAND WHITE OILS — All Viscosities

TECHNICAL WHITE OILS FOR INDUSTRIAL USE

Stocks carried in New York and other cities

S. Schwabacher & Co., Inc., 25 BEAVER STREET NEW YORK

TARTARS

WILLIAM NEUBERG, Inc., 441 Lexington Ave., NEW YORK, N. Y.
MUrray Hill 6-1990

HEYDEN
fine chemicals

FORMALDEHYDE
PARA FORMALDEHYDE
HEXAMETHYLENETETRAMINE
Acetyl Salicylic Acid
Salicylic Acid
Sodium Salicylate
Methyl Salicylate
Minor Salicylates
Guaiacol
Creosote
Guaiacol Carbonate
Creosote Carbonate
Potassium Guaiacol Sulfonate
Benzoate of Soda
Benzyl Chloride
Benzoic Acid
Benzaldehyde
Bromides
Silver Proteins
Glycerophosphates

FINE HEYDEN CHEMICALS

HEYDEN CHEMICAL CORP.
50 UNION SQUARE NEW YORK, N.Y.
CHICAGO BRANCH: 180 N. WACKER DRIVE
factories: GARFIELD, N.J. - PERTH AMBOY, N.J.

tion was affected by the very low cost of Chilean material.

CHICAGO, July 8.—Quietness continues to prevail in c. p. glycerin, as well as in other grades. The tone, however, is firm and movement is fairly good for this period. Inquiries are fair. Ruling prices are:—C. p., drums, car lots, 12½c. per pound; drums, less than car lots, 22c.; cans, less than car lots, 23½c. to 25c., according to quantity; dynamite, car lots, 21½c.

Methanol.—The basic position of this material was one of firmness. Cost of production operated to keep values well maintained on both synthetic and natural material. A fair-sized consuming outlet was said to exist, and hence, the general position was one indicative of firm maintenance of quotations. Statistics on production and stocks, in pounds, for the first quarter of 1937, compared with corresponding quarter in 1936 as released by Director William L. Austin, Bureau of the Census, Department of Commerce. The data were reported by 11 establishments, operating 11 plants in Illinois, Massachusetts, Michigan, New Jersey, New York, and Wisconsin. Figures on imports and exports are included.

	First quarter—	
	1937.	1936.
Production	6,311,018	5,596,515
Stocks	8,200,088	8,589,942
Imports	1,187,669	496,370
Exports	36,202	37,338

Methyl Acetone.—The long expected reduction in prices on natural methyl acetone was made officially last week. However, it should be understood that in one sense this was a reduction in name only; leading suppliers had admitted that the schedule formerly named as the official price had been shaded to the now prevailing levels for the past several weeks. New prices were as follows:—Tanks, zone 1, 33c. per gallon; zone 2, 35½c.; zone 3, 36½c.; zone 4, 37c.; drums, car lots, zone 1, 39c.; zone 2, 42c.; zone 3, 43c.; zone 4, 45. It should be noted that first hands have stopped quoting on less than car lot quantities. The prices on such deliveries will in the future be set by the individual distributors within each zone.

Milk Powder.—To this writing, the AAA has not come into the market to take up further quantities of this item as a support to the prices obtained by sellers of the raw material. The market has been steadied by such purchases and during the past week a fair degree of firmness prevailed.

Podophyllin.—The strength notable in the market for raw material has been communicated to the derived item and during the past week values were supported additionally by the very fair consumption reported by leading suppliers of the item.

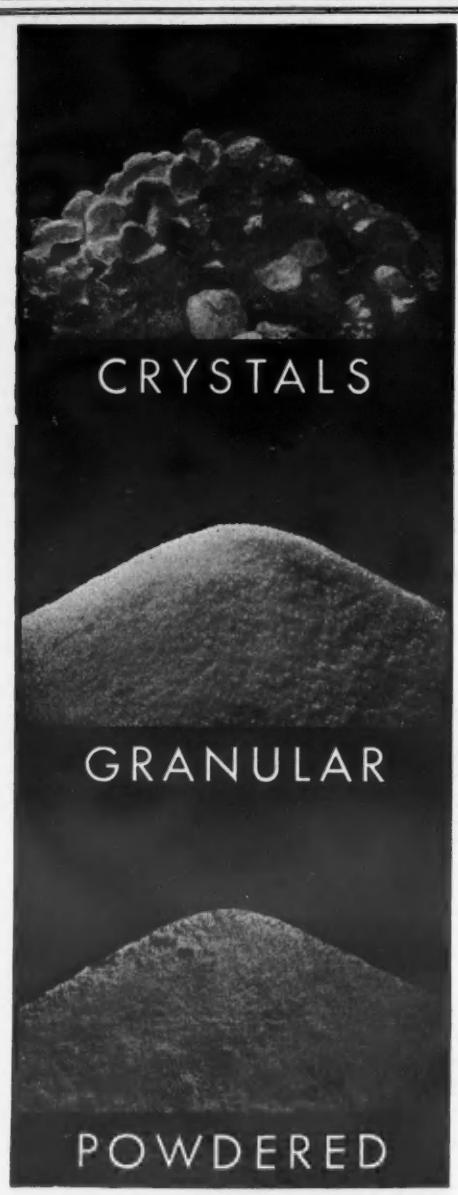
Quicksilver.—The market was fairly steady. Demand was not expansive, but a fair sized movement of metal to consumers was noted in company with prices reported to be generally firm

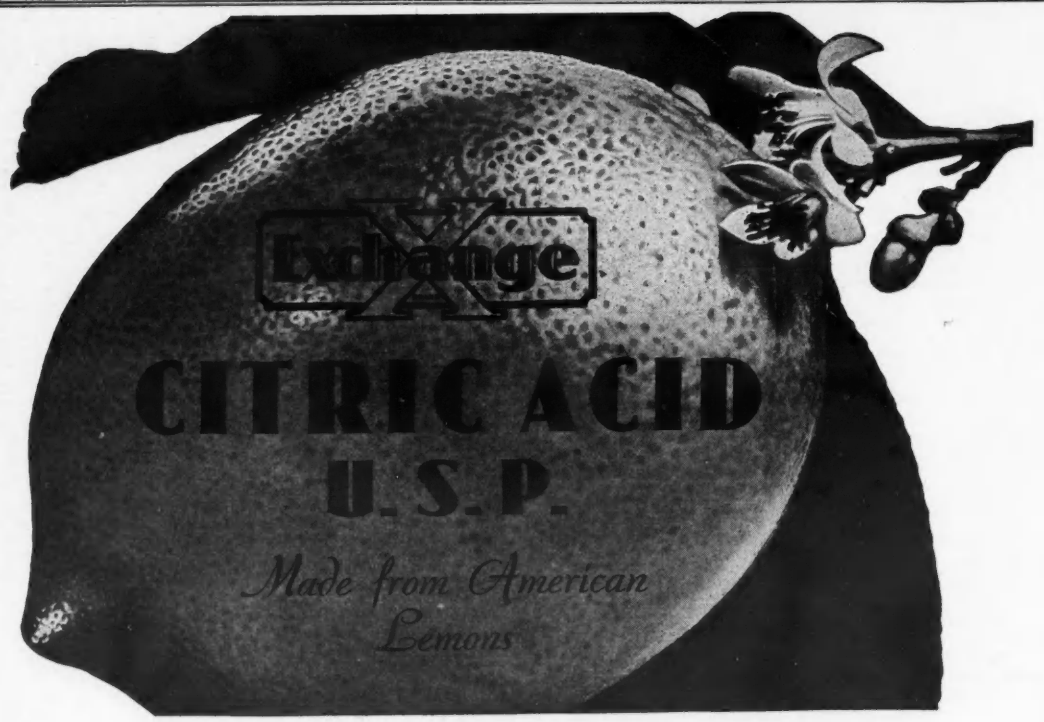
PROCTER & GAMBLE
Largest Producers and Refiners of
CHEMICALLY PURE GLYCERINE
Packed in drums and cans
Also other grades—Stocks in principal cities
Gwynne Building, Cincinnati, Ohio
205 East 42nd Street, New York City
U.S.P.
C/P

MILK SUGAR
NATIONAL BRAND
National Brand Sugar of Milk has been the standard of Quality the world over since 1883.
Powdered Granular Impalpable
NATIONAL MILK SUGAR CO., Inc.
350 Madison Avenue, New York, N. Y.

McKESSON
Representing
E. I. du Pont de Nemours & Co., Inc.
SYNTHETIC CAMPHOR
U. S. P. XI
Solvay Sales Corporation
ALKALIES
Hawaiian Pineapple Company
CITRIC ACID
U. S. P.
Stafford Allen & Sons, London, England
DIGITALIS LEAVES
(ALLEN)
Isdahl & Co., Ltd., A/S
COD LIVER OIL
Acetanilid, Benzoates, Chromic Acid, Chloroform, U. S. P. & Tech.
Menthol, Lycopodium, Paradichlorbenzene, Quinine Sulphate
McKESSON & ROBBINS, INC.
NEW YORK BRIDGEPORT MONTREAL

Carey PRODUCTS
Carbonate of Magnesia
Oxide of Magnesia
U. S. P. and Technical Grades
THE PHILIP CAREY CO.
Dependable Products Since 1873
LOCKLAND, CINCINNATI, OHIO





Exchange Citric Acid U.S.P. is made by the Exchange Lemon Products Company of Corona, Calif. Backed by the Sunkist group of 13,500 citrus growers—largest in the world. Immediate shipments from warehouse stocks in New York, Chicago and Philadelphia. For prices on kegs, barrels or carloads, write nearest office.

Products Department
CALIFORNIA FRUIT GROWERS EXCHANGE
ONTARIO, CALIFORNIA
189 W. Madison Street, Chicago, Illinois
99 Hudson Street, New York, N. Y.

Copr., 1936, Products Dept., California Fruit Growers Exchange

in keeping with the prevailing cost of replacement.

SAN FRANCISCO, July 6.—There has been no quickening in the pace in quicksilver buying. As a matter of fact the market has been quite dull just lately and there has been some local shading of prices for Pacific Coast consumption. The large eastern consuming trade is not showing much interest neither in inquiry nor actual purchases.

Quinine.—Demand along broad and well maintained lines was reported and volume compared favorably with that prevailing for some time. The requirements of the Southern states were substantial in size and persistent at all times. Values were fully firm.

Rochelle Salt.—Although no further change in the cost of production took place last week, the market was very firm in undertone and demand gave additional support to already well held values.

Seidlitz Mixture.—Demand was very good, holding well notwithstanding the fact that the cost to produce had been recently increased by a rise in quotations on raw material. The movement was sufficient to effect higher selling levels on the mixture, which last week was very firm.

Silver Nitrate.—The schedule of prices since the last report prevailed as follows, covering quantities of 100 ounces:—small lots cost from 1c. to 2c. more per ounce, and quantities of 500 ounces are quoted at about 1c. less. Comparison of prices of bullion in New York and London are also provided.

	Per ounce		
		Bullion	
	Nitrate. Cents.	New York. Cents.	London. Pence.
Saturday	32½	44¾	19⅝
Monday	*	*	19⅝
Tuesday	32½	44¾	20
Wednesday	32½	44¾	19⅞
Thursday	32½	44¾	20
Friday	32½	44¾	20⅛

* Holiday.

Sulfanilamide.—With producers behind in filling orders, this item could be nothing less than firm on the basis of the more attractive prices established lately as the result of volume having decreased production cost to some extent. Demand continued to be active.

Thymol.—Good business was the rule. The shipments were substantial in size and volume was steadily maintained at all times. New uses—notably by paint manufacturers—has expanded needs.

Mifflin Chemical Sued For Alcohol Diversion

Indictments have been filed in the Federal district court in Philadelphia charging the Mifflin Chemical Corporation, David Muchnik, one of its salesmen, and about a dozen individuals not connected with the company with violation of Federal revenue laws in connection with the diversion of rubbing alcohol to beverage uses.

The individuals named are charged with obtaining rubbing alcohol from the Mifflin concern and subjecting it to a "cleaning" process which removed the denaturants and permitted it to be sold for beverage use. The company is charged with conniving at such violations of law on the part of certain of its customers. The indictment includes such charges as that the alcohol was secured with intention to divert; that stills were operated without permits; and that sales of alcohol were made to persons not authorized to receive it. The defendants have not yet entered pleas.

At the same time there is pending in the United States Circuit Court of Appeals in Philadelphia an appeal by the government against a decision of the district court ordering the Treasury Department to restore the Mifflin company's permit to manufacture rubbing alcohol. The permit was revoked because of the same set of facts mentioned in the indictment, but the company secured a court injunction preventing the officials from interfering with its business.

Quicksilver Area Mapped

A map showing property ownership, as of April, 1937, in the Arkansas quicksilver district, may be seen at the offices of the Geological Survey, Department of the Interior, Washington; in St. Louis, and in Little Rock, Ark. This map is taken from Geological Survey bulletin 886-C, Geology and Ore Deposits of the Southwestern Arkansas Quicksilver District, which is now in press but which will not be available for distribution for several months. Photostat copies of this map may be purchased for $1 from the Director, United States Geological Survey, Washington.

Pharmaceutical Meeting To Have Varied Program

Plans for the eighty-fifth annual meeting of the American Pharmaceutical Association and affiliated organizations to be held at the Hotel Pennsylvania, this city, the week of August 16, were discussed at a meeting of the local committee on July 8. The local committee is headed by Dr. Hugo Schaefer, dean of the Brooklyn College of Pharmacy, and the representative of the local branch of the American Pharmaceutical Association, which will be the host to the national organization. Members of the local committee include presidents of metropolitan retail druggists' organizations, the presidents of the New York and New Jersey state pharmaceutical associations, deans of colleges of pharmacy in the vicinity, members of the drug trade press, and representative wholesalers and manufacturers.

Dean Schaefer outlined the plans for the entertainment program during the week's convention, including a banquet, a boat trip to Bear Mountain, a night club party, and various features for the ladies in attendance, including a trip to Radio City, a luncheon on board a transatlantic liner, and bridge parties.

The sub-committee on finance of which Dr. E. L. Newcomb, secretary and executive vice-president of the National Wholesale Druggists' Association, is chairman, and S. B. Penick, president of S. B. Penick & Co., is treasurer, announced that the campaign for funds was progressing most satisfactorily and more than $8,000 had been collected to date.

Approximately 800 members of the A.Ph.A. are expected to attend the annual meeting.

McKesson & Robbins Sales Gain

McKesson & Robbins, Inc., reports a gain of 18.29 percent in net sales for the first five months of 1937, compared with the same period of 1936. Sales for this year's period totaled $70,131,017 and for the 1936 period $59,289,317. May sales, at $13,503,872, were 19.36 percent higher than the total for May, 1936.

P.A. Enrolls Macfadden In Advertising Reform

Macfadden Publications, Inc., has joined the Proprietary Association as an associate member, according to W. C. W. Durand, director of advertising investigation for the Macfadden group. The Macfadden group, he says, will cooperate actively with the advisory committee on advertising, through which the Proprietary Association carries on its advertising improvement activities.

Consolidated Chemical Industries, Inc., has completed plans for the erection of a new muriatic acid plant at Fort Worth, Texas, according to Milton Haas, vice-president. The plant will serve oil producers in Texas, New Mexico, Oklahoma and Kansas, for the acidizing of oil wells in limestone and dolomite formations.

Early yesterday this young lady felt miserable. A nagging headache threatened to spoil an enjoyable holiday. From her druggist she purchased a box of Aspirin . . . her headache disappeared . . . her trip was a shining success.

As one of the largest producers of Salicylates in this country, it is most likely that the Aspirin she bought was made by Dow.

What greater incentive to produce to the best of one's ability could exist than the constant reminder that human happiness is involved? Through more than forty years, Dow has grown to a leading place in American chemical production but it has not, and never will, lose sight of its participation in the lives of people.

THE DOW CHEMICAL COMPANY
MIDLAND, MICHIGAN

Branch Sales Offices: 30 Rockefeller Plaza, New York City
Second and Madison Streets, Saint Louis • 135 South La Salle Street, Chicago

DOW

DOW SALICYLATES

Acetyl Salicylic Acid, U.S.P., Crystals and Powder . . . Acetyl Salicylic Acid, Granulation 10% starch (white, pink, green), also 16% and 20% starch (white) . . . Ammonium Salicylate, U.S.P. . . . Magnesium Salicylate . . . Methyl Salicylate, U.S.P. . . . Salicylic Acid, U.S.P. . . . Salol, U.S.P. . . . Sodium Salicylate, U.S.P. . . . Strontium Salicylate, N.F.

*Trade Mark Registered U.S. Patent Office

A PARTIAL LIST OF DOW PHARMACEUTICAL CHEMICALS

Acetphenetidin, U.S.P. • Antipyrine, U.S.P. • Benzoic Acid, U.S.P. • Minor Bromides • Carbon Tetrachloride, C.P. • Chloroform, U.S.P. • Epsom Salt, U.S.P., Recrystallized • Ferric Chloride, U.S.P., X (Solution or Crystals) • Acetyl Salicylic Acid, Granulation, 10% Starch (White, Pink, Green) also 16% and 20% Starch (White) • Methyl Salicylate, U.S.P. • Salicylic Acid, U.S.P. • Sodium Salicylate, U.S.P. • Minor Salicylates • Sodium Benzoate, U.S.P. • Strontium Bromide, N.F. • Tetrachlorethylene, Purified, N.F. • Trichloracetic Acid, U.S.P.

S. B. Penick & Company's
ALKALOIDS
and allied products from botanical drugs

Berberine Hydrochloride
Berberine Acid Sulphate
Berberine Sulphate Neutral
Colchicine U. S. P.
Emetine Hydrochloride U. S. P.
Ephedrine U. S. P. anhydrous
Ephedrine Hydrochloride U. S. P.
Ephedrine Sulphate U. S. P.

WE devote an entire laboratory to the manufacture of these fine chemicals of botanical origin—equipped for the production of the highest grade materials—staffed by industrial chemists with long experience in this special branch of the chemical field—the purity of all products being guaranteed by efficient analytical control.

Hydrastine
Hydrastine Hydrochloride U. S. P.
Pilocarpine Nitrate U. S. P.
Pilocarpine Hydrochloride N. F.
Chrysarobin U. S. P.
Salicin N. F.
Santonin U. S. P.
Saponin

Makers of
Alkaloids Extracts Concentrations Resins Oleoresins
for Pharmaceutical Manufacturers

The World's Largest Botanical Drug House

132 NASSAU STREET, NEW YORK, N. Y. **1228 W. KINZIE STREET, CHICAGO, ILL.**

Vegetable Oils Run Motorbuses in China

The Chinese government, in its efforts to build up a motor transport system, is making efforts to find a satisfactory substitute for gasoline and other petroleum derivatives as fuel for truck and bus motors. It has experimented extensively with charcoal, and during 1936 the conversion of gasoline motor trucks and buses to charcoal-burning vehicles increased to such an extent that one of the leading petroleum sales organizations in China estimated that charcoal-burning vehicles displaced 670,000 gallons of gasoline.

Charcoal-burning vehicles can be run at from one-third to one-fifth the cost of gasoline operation, but they develop about 20 per cent less power. They are also more costly to manufacture and the charcoal is found to have a bad effect on both cylinders and pistons.

Because of these deficiencies, the Chinese authorities are now favoring diesel engines in the hope that they can be operated on vegetable oils, which China produces in large quantities. Should this prove possible, the cost of motor transport would be greatly reduced—it is estimated that vegetable oils are 86 per cent cheaper than imported gasoline. The technical experts of the German Benz Company have been collaborating with the Chinese authorities in the manufacture of diesel engines capable of being run on vegetable oil; from recent reports they appear to have been successful, according to a correspondent of the Institute of Pacific Relations.

Included in the motor caravan which recently made a trial trip from Nanking to Quenmin, capital of Yunnan, over the newly completed Hunan-Kweichow-Yunnan highway, was a 2½-ton bus which made the run of 4,109 kilometers using only vegetable oils for fuel. The bus was able to develop a speed of only 60 kilometers an hour, but took the steep mountain grades easily. It averaged approximately 13 kilometers per gallon of fuel.

Various kinds of vegetable oils were used during the trip, including peanut, teaseed, tung, poppyseed, cottonseed and cabbage-seed oil. It was found that tung oil had the greatest generating possibilities but it was likely to clog the engine. Peanut, cabbage-seed, and teaseed oils all proved suitable. Only 2 gallons of lubricating oils was needed for the entire journey.

The effects of this successful experiment in the use of vegetable oils for motor fuel may be far-reaching. Not only would China's gasoline requirements be reduced and the demand for diesel engines stimulated, but a new and profitable market for the domestic production of vegetable oils of all kinds would accompany the present extensive program for highway construction and the development of motor transport. It is estimated that about 1,150 diesel trucks and buses are in operation in China; 95 percent of these are of German manufacture.

Olive Oil Association Pushes Fight on Fraud

Purposing a still more vigorous conducting of its fight against adulteration and other forms of brand, the Olive Oil Association of America has retained as special counsel Nicholas T. Rogers, formerly Assistant United States Attorney in the southern New York judicial distract. Mr. Rogers, who has had several years' experience in the prosecution of cases involving adulteration and misbranding of olive oil, will aid the association's committee on fraud in cooperation with municipal, State and Federal authorities in efforts to put an end to certain fraudulent practices in the sale of olive oil.

A special committee of the association is studying the feasibility of an attempt to obtain legislation that would require the denaturing of certain oils that are adaptable to the adulteration of olive oil, and which are importable duty-free or at a low rate.

The association is making a drive to extend its membership with the aim of getting every member of the industry behind its campaign for the maintenance of a "clean and decent condition in the industry." The headquarters of the association are at 131 Hudson street, this city.

Salt Output for 1936 Increased 11 Percent

Salt mines, wells, and ponds in the United States yielded in 1936 a record-breaking total of 8,828,936 short tons of salt, valued at $23,306,177, an increase of 11 percent in quantity and 6 percent in value compared with the preceding year, according to reports made to the Bureau of Mines by 58 companies operating 72 plants for 1936, and 61 companies operating 74 plants in 1935.

The output of evaporated salt was 2,539,597 short tons, valued at $15,581,148, an increase of 9 percent in quantity and 5 percent in value compared with 1935. It represented 29 percent of the total amount of salt produced.

The salt content, 4,279,760 tons, of the brine produced and used by producers in the manufacture of chemicals, increased 12 percent in quantity over 1935.

Rock salt output in 1936 totaled 2,009,579 short tons, valued at $6,003,054, compared with 1,759,242 tons, valued at $5,510,413, in 1935.

Salt imported for consumption in 1936 totaled 51,040 tons, valued at $112,782, practically the same quantity as in 1935, and an increase of 5 percent in value over the 1935 figures. Exports of salt in 1936 totaled 76,974 tons, valued at $463,670, and decreased 31 percent in quantity and 16 percent in value.

Salt sold or used by producers in the United States from 1931 to 1936 inclusive was as follows:—

	Total, short tons.	Value.
1931	7,358,070	$21,541,830
1932	6,407,973	19,138,830
1933	7,604,972	22,318,086
1934	7,612,074	22,850,797
1935	7,926,897	21,837,911
1936	8,828,936	23,306,177

C. I. to Erect Third Unit For Caustic Soda, Chlorine

Canadian Industries, Ltd., reports plans for the immediate construction, at Shawinigan Falls, Quebec, of a third unit for the manufacture of caustic soda and chlorine, representing a capital investment of more than $2,000,000. The new plant will adjoin the company's cellophane, hydrogen peroxide, and tri-chlorethylene plants and will require nearly a year to complete. It will occupy a land area of about 16 acres. Officials of the company state the new unit is being erected principally to meet the expanding demand for bleached sulphite pulp and rayon pulp which market forecasts show to be in excess of present capacity. The company's two other plants manufacturing caustic soda and chlorine are located at Windsor and Cornwall, Ontario.

Mineral Land Depletion Tax Allowance to Stay

WASHINGTON, July 7, 1937.

Changes in the revenue laws permitting income tax deductions for depletion of oil and other minerals will not be considered at this session of Congress, under present plans of the joint senate and house committee on tax evasion and tax avoidance.

The Treasury Department cited depletion allowance as one of the "loopholes" in existing tax laws and was prepared to recommend changes, but several members of the committee objected to consideration of this subject which is quite technical and which has been before congressional committees at various times in the past. Oil and mineral producing interests were prepared to defend the present provisions.

The subject, however, probably will be considered at the next session of Congress when the Treasury Department expects to present a long series of recommendations for a general revision of all internal revenue laws.

Pyrophyllite Rates Established

The Interstate Commerce Commission has authorized the establishment of rates on pyrophyllite, carloads, from Hemp and Glendon, N. C., to points in trunk line territory, including the Buffalo-Pittsburgh zone and in New England territory, the same as those now in effect on clay and kaolin between the same points, and the maintenance of higher rates to intermediate points.

George W. Liddell, formerly merchandise manager for the McKesson-Buffalo Drug Company, has resigned his position to join the E. C. McKallor Drug Company, Binghamton, N. Y., as sales manager.

Botanical Drugs, Gums

Crop Failures Reported on Coriander and Cumin Seeds—Goldenseal Nominally Easier—Picklers' Items Move Liberally—Black Peppers Lower—Marjoram Scarce—Elm Stocks Up

Medicinal botanical drugs move in limited quantities at prices generally steady throughout the past week. Business was of the sort typical of the Summer period but it was still productive of a sustaining volume of trade and prices reflected the situation by remaining generally on the firm side.

Crop progress has been mainly satisfactory. In the domestic primary markets, fair sized collections were coming into the depots, but at prices forecasting well maintained values when Fall business shall open along broad lines. The quantities in many instances are not satisfactory and on the whole it appeared that the reserves will be conservative in size with nothing even faintly resembling a surplus being the rule.

In foreign lands, the fact that new crop prices have shown little of true weakness was an earnest of the probability that stocks wherewith to meet world consuming requirements during the coming season will be conservative. Some items are likely to be definitely short.

Entries of botanicals at the part of New York since the week of January 1, 1937, the detentions of these items by the Department of Agriculture because of the presence of matter rendering them unfit for human consumption were:—

	Bags	
	Detained.	Entered.
Anise	2,736	15,578
Caraway	2,936	4,036
Cardamom (cases)	61	1,515
Celery	374	5,880
Coriander	6,235	7,065
Cumin	1,753	5,886
Digitalis leaves (cases)	143	153
Dill	160	649
Fennel	435	2,117
Henbane leaves (bales)	111	287
Mustard	330	15,169
Poppy	1,250	26,906
Sage leaves (bales)	20	1,245
Sesame	228	10,832
Stramonium (bales)	227	327
Thyme (bales)	311	882
Totals	17,410	110,199

Price Changes

Prices were changed during the past week as follows:—

Advanced

Coriander seed, Morocco, ¼c. per lb.
bleached, ¼c. per lb.
Cumin, Algerian, ¼c. per lb.
Indian, 1c. per lb.
Morocco, ½c. per lb.
Dill seed, ½c. per lb.
Marjoram, French, ½c. per lb.
Tunisian, ¼c. per lb.
Poppy seed, Dutch, 15 points per lb.
Polish, 10 points per lb.

Reduced

Calendula flowers, 2c. per lb.
Coltsfoot leaves, 1c. per lb.
Chamomile flowers, Roman, 1c. per lb.
Canary seed, Argentine, 10 points per lb.
Celery seed, French, ½c. per lb.
Indian, ½c. per lb.
Cassia buds, ½c. per lb.
China, rolls, select, ¼c. per lb.
broken, ¼c. per lb.
Cinnamon, Ceylon, No. 2, ½c. per lb.
No. 3, ¼c. per lb.
Ginger root, African, ¼c. per lb.
Jamaica, bold, ½c. per lb.
Goldenseal root, whole, 10c. per lb.
powdered, 10c. per lb.
Gold of pleasure seed, 1c. per lb.
Hemp seed, ¼c. per lb.
Laurel leaves, Greek, ¼c. per lb.
Mustard seed, Roumanian yellow, ½c. per lb.
Patchouli leaves, 1c. per lb.
Peppers, black, Alleppy, ⅞c. per lb.
Lampong, ½c. per lb.
Tellicherry, ½c. per lb.
red, Japanese chillies, ¼c. per lb.
Rose flowers, pale, 1c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
128.9	129.6	130.6	109.4

Market news that may have developed after this report was sent to press will be found on page 4.

Balsams

Copaiba.—Prices were reduced no further and to some extent the market seemed to be slightly steadier than it had been during the past several weeks in which values had dropped consistently under the influence of competition. Present quotations were close to cost.

Tolu.—Somewhat irregular demand was noted; buyers purchased close to actual requirements and the total of business was not very large. Prices were about steady.

Barks

Cascara Sagrada.—The latest crop news from the Pacific Coast has been opposed to the view that production would be in excess of reasonable trade requirements during the coming year. Heavy collection early in the season caused a reduction in prices to peelers. That curtailed their activity sharply and when prices were advanced again, collections improved but slightly. The entire situation was most uncertain and warranted close watching in the weeks immediately ahead.

Elm.—Fair-sized collections in the primary market have relieved the shortage of spot goods but it is still not certain that the total peel this year will reach the figure attained in 1936. In all probability, however, sufficient bark will be eventually obtained and for the time being prices were expected to reflect an easier tone.

Wahoo.—Moderate sized collections have been the rule in the primary market and at this writing it does not appear that the total produced will constitute a menace to the fair stability of prices. Little demand prevailed last week but values held steady.

Beans

St. Ignatius.—A dull market continued to prevail. Trading was close to being nominal. Prices were generally steady.

Vanilla.—While prices at the moment appeared to be slightly on the soft side, the statistical position of the market was opposed to any substantial reduction from current quotations. Stocks in all the world's markets were low and new crops were many months away. Present supplies are expected to firm up before long and recovery of some of the recent drop in prices was considered a likely development.

Berries

Cubeb.—A somewhat steadier market but also one in which activity was conservative much of the time last week resulted in quotations holding firm on the basis of the recent decline.

Saw Palmetto.—Not much trading was noted. Prices were recently easier at a slight decline but at the moment they appeared to be somewhat steadier and fairly stable at current levels. Demand was for jobbing quantities.

Flowers

Calendula.—Quotations were shaded to 38c. to 40c. per pound under competition for a fair-sized quantity of business last week. The market was slightly easier in tone.

Chamomile.—Roman flowers were noted at 25c. to 26c. per pound, being a slight concession from previously quoted limits. Hungarian flowers were about steady at unchanged prices. Demand was normal for this period of the year.

Rose.—Pale flowers were lower at 21c. to 22c. per pound in a market somewhat more competitive than it had been for a few weeks. Red flowers held unchanged and were said to be in firm position. Demand was narrow.

Safflower.—Fair-sized movement was noted and prices were about steady, though the tendency to compete for business was about as prevalent as it was when quotations were reduced recently.

Saffron.—Jobbing business was fair in size and kind. Prices held about steady with some competition being reported in the Mexican material as distinguished from the produce of Spain.

Gums

Aloe.—A very firm market prevailed for the product of Curacao and spot quotations were fully maintained in parallel with a sustained demand from manufacturing consumers. Stocks were of conservative size.

Arabic.—Little change took place in either the primary or spot market for this material. Locally, demand seemed to be somewhat sluggish, notwithstanding which prices were well maintained by leasing suppliers in keeping with the absence of normal reserves in the primary market. The general tone of the market was one of substantial firmness and some dealers were disposed to expect the development of higher quotations later on.

Benzoin.—A market of exceptionally firm undertone prevailed for the Sumatra gum. Siam material was said to be easier, if not truly weak. Released stocks of Sumatra gum was none too plentiful and most holders maintained a firm position on the basis of the recently advanced values.

Sandarac.—Fair stability in prices was the general rule and as demand was mainly for smaller quantities, the situation was one of firm undertone and moderate deliveries from stocks also moderate in size.

Tragacanth.—Top qualities of this merchandise was firm in price and continued to find a fair interest for manufacturing consumers. Replacement costs were fully firm at the source and the quantities offered were of conservative size at all times. Stocks on this

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7

PROFESSIONALLY HOPKINS BRAND MILLED
ANALYZED - STANDARDIZED
CRUDE DRUGS
Acacia Gum
Agar Agar
Aloes
Benzoin Gum
Buchu Leaves
Capsicum
Cascara
Catechu Gum
Cuttle Bone
Deertongue
Digitalis

Dragons Blood
Ergot
Golden Seal
Henna Leaves
Indian Gum
Lavender Flowers
Manna
Mustard
Nux Vomica
Peppermint Lvs.
Wahoo Bark
CRUDE DRUGS
J. L. HOPKINS & CO.
220 BROADWAY, NEW YORK

MURRAY & NICKELL MFG. CO. Established 70 Years
2606-28 Arthington Street - - - Chicago
BOTANICAL
CRUDE DRUGS MILLED
HERBS - ROOTS - BARKS - SEEDS AND SPICES
WATER SOLUBLE GUMS TRAGACANTH ARABIC - KARAYA
AMERICA'S OLDEST MANUFACTURER - PYRETHRUM PRODUCTS

Vanilla Beans--Tonka Beans
Thurston & Braidich, Importers, 286 Spring Street, New York

VANILLA BEANS
F. HUBER & CO., - 99 Hudson Street, New York

GUMS
IMPORTERS
GUM ARABIC
GUM KARAYA
GUM TRAGACANTH
LOCUST BEAN GUM
(CAROB FLOWER)
PAUL A. DUNKEL & CO., INC.
82 WALL ST., NEW YORK, N.Y. Hanover 2-4436

Finest Ground PYRETHRUM AND DERRIS POWDERS in the world
These powders contain more killing particles. More effective — more economical. Write for further information.
McCORMICK & CO., Inc.
BALTIMORE, MARYLAND
STANDARDIZED PYRETHRUM AND DERRIS PRODUCTS

market were also conservative and sellers were still reserved in their offerings.

Herbs and Leaves

Buchu. — Undertones were steadier. The decline was thought to have reached bottoms; at least, current values were closely in alignment with the replacement cost of the item. Demand was conservative in size.

Coltsfoot.—A tendency to reduce carryover stock led to some shading of current quotations last week. The market was quoted 7c. to 8c. per pound and still buyers' interest was sluggish and at comparatively low level.

Deer Tongue.—The undertone of the market was fairly easy and offerings of goods to be delivered this month were made at 15c. to 16c. per pound in substantial quantities and under conditions indicative of a substantial competition in the material.

Laurel.—Quotations were a small fraction lower at 4½c. to 5c. per pound and in the absence of much trading the general tone of the market was more than fairly easy.

Marjoram.—Stocks were very small and it would be difficult to place an order for substantial quantities of the merchandise. Quotations were higher at 18c. to 18½c. per pound for French, and 17c. to 17½c. per pound for Tunisan.

Patchouli.—Lack of much interest led to the shading of prices to 14c. to 15c. per pound when some business did enter the market last week under competitive conditions.

Miscellaneous

Colocynth Pulp. — Although prices were no lower last week, the market was still fairly easy in undertone and the tendency was for competition to remain substantial in its influence on values.

Lycopodium.—Some uncertainty prevailed regarding the position of this article. Reports were to the effect that, in the presence of attractive business, values had yielded rather more than the available supply might have justified. Confirmation of sales having been made at $1.35 per pound, however, could not be secured. Stocks were very low and seemed to be concentrated in a very few hands.

Manna.—Attractive prices have kept demand well supported for the most part; at least the movement was up to that to be expected most years at this season. Quotations had a steady quality on the basis of the recent declines.

Papain.—Powdered material continued firm at the recent rise in price. A substantial lessening of local competition has been achieved and the article seemed once more to be working slowly but more or less steadily toward higher levels at which sales assume a more normal position.

Roots

Dandelion.—Ordinarily prices on this item would show weakness at this time of the year, if ever. This year the market appears to be on the firm side and values have been fully maintained for some weeks. Demand was reported to be light last week, but in the absence of cheap prices from the source, absence of more business produced no easing of undertones.

Gentian.—All prices were fully firm. Continued enforcement of moisture standards by the Department of Agriculture kept numerous lots from admittance to the markets in this country. Stocks were of moderate size.

Golden Seal. — Quotations on seal were reduced in the late hours of the previous trading period. Whole was revalued at $3.15 to $3.30 per pound, while powder ranged $3.30 to $3.45. A fairly substantial reserve is held in some quarters. The basic position of the market, notwithstanding the above development. was one of fair firmness.

Mandrake.—The market was basically firm in all respects notwithstanding the fact that this is the season when reserves should be increasing substantially. Stocks were being obtained at a fairly high cost in the primary market and hence the total absence of weakness at the present time.

Rhubarb.—Somewhat firmer advices have been received concerning the position of this article at the source. Local quotations were slightly firmer also, though they lacked quotable change.

Seeds

Canary.—Argentine seed was shaded a fraction to 5.90c. to 6c. per pound, while the Turkish variety remained unchanged. The market was generally dull.

Coriander.—Crop failure was reported for Morocco seed, whether total or partial being not stated. The situation was such as to effect a strengthening of the market at higher prices as follows:—Morocco, 5¾c. to 6¼c. per pound; bleached, 8c. to 8½c.

Celery.—Prices eased somewhat and French seed sold at 17½c. to 18c. per pound, while the article from India went to 15c. to 15½c. in the easier market.

Cumin.—Crop advices were adverse, a failure of the Moroccan item, partial or whole not being indicated. Prices strengthened and Morocco seed was revalued at 10½c. to 11c. per pound; Algerian, 10¼c. to 10¾c.; Indian, 10c. nominal.

Dill.—The season of more lively demand came in company with prices reported higher at 8c. to 8½c. per pound.

Gold of Pleasure.—Quotations were shaded to 16c. to 16½c. per pound, which was rockbottom on the spot last week even though demand was mainly for jobbing quantities at all times.

Hemp.—Quotations were shaded to 4¾c. to 5c. per pound under the influence of competition, the keener because of the lack of sustained interest on the part of buyers for consumption.

Poppy.—From the present outlook, Poland and Hungary will not have any appreciable export surplus this year. Consequently, the Dutch article has gained in strength and quotations have risen to 7½c. to 7⅞c. per pound on that material. Polish on the spot was also higher at 7¼c. to 7¾c.

Spices

Cassia.—Buds were lower at 13c. to 13½c. per pound. China rolls were also cheaper at 5½c. to 5¾c; broken select, 4c. to 4¼c. Batavia and Saigon items lacked change.

Cinnamon.—Ceylon No. 2 was shaded to 17c. to 17½c. per pound and the No. 3 at 16½c. to 17c. was also down. Both movements were the result of competition.

Clove.—Zanzibar spice was down to 17½c. to 18c. per pound, but the Madagascar article lacked change. A somewhat narrow market was reported on the spot.

Ginger.—African root was lower at 15c. to 15¼c. per pound, and the Cochin lemon was easier, though unchanged. Bold Jamaica root was easier and lower at 17c. to 17½c. Other qualities of Jamaica root lacked change. The market was but moderately active.

Nutmegs.—West India goods sold at 14c. to 14½c. per pound and the lower figure resulted from competition. Quotations on 80's and 110's were unchanged and generally steady.

Paprika.—Hungarian of the extra fancy grade stood at the higher price of 22c. to 22½c. per pound medium, unchanged at 20½c. to 21c. Spanish material was steady at the recent decline.

Peppers.—Black Alleppey was quoted at 9⅛c. to 9¼c. per pound; Lampong, 6c. to 6¼c.; Tellicherry, 9½c. to 9¾c. These were lower prices that resulted from local competition. The current black pepper crop of the Lampoong district of Netherlands Indies has been officially estimated at from 37,000 metric tons to 42,500 metric tons, thus disproving an earlier unofficial estimate that the crop would approximate only 30,000 tons. Exports from the Netherlands established a new high record in the eleven months ending April 30 and totalled 52,856 metric tons, compared with 47,341 tons in the corresponding eleven-month period ending April, 1936. Shipments to the United States were particularly heavy and totalled 27,287 metric tons in the eleven months.

Trading in black pepper futures on the New York Produce Exchange from July 6 to July 9, inclusive comprised 120 contracts (including four switches) for a total of 4,032,000 pounds. Following is a price record for the week:—

	Cents per pound—		
	High.	Low.	Close.
January	6.36	6.05	6.08 sale
March	6.48	6.25	6.16@6.20
May	6.60	6.30	6.26@6.29
July	6.71	6.56	6.36@6.39
September	6.18	6.10	5.96@6.01
December	6.34	6.13	6.05@6.06

Prentiss Engages Bevernick

Richard A. Bevernick, graduate of the University of Michigan and the United States Naval Academy, has joined the sales force of R. J. Prentiss & Co., botanica' drugs, this city.

Mr. Bevernick was graduated from the Naval Academy last June, standing high on the class roll. He then resigned from the Naval forces to become a member of the Prentiss organization, where he will first serve an apprenticeship in the company's mills, and then engage in the sales of its wide line of botanical, insecticidal, and allied materials. He is the son of A. W. Bevernick, Western sales representative of the company, and, according to H. J. Prentiss, president of the organization, after much deliberation as to what business he would pursue after resigning from the Navy, decided to follow in the footsteps of his father.

Bids Wanted

Acids, Hydrochloric, Nitric, Sulphuric:—Supplies for eastern and western yards; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 1137, opening July 16.

Alumina Stearate:—7,500 pounds for Norfolk and Mare Island; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 1137, opening July 20.

Alumina Sulphate:—50,000 pounds; Commanding Officer, Rock Island Arsenal, Ill.; circular 820, opening July 14.

Ammonia:—Supplies; Quartermaster, Randolph Field, Tex.; procurement 780-1, opening July 21.

Anti-Seize Compound:—1,200 pounds; Navy Supply Officer, Navy Aircraft Factory, Navy Yard, Philadelphia; requisition 575 aero, opening July 15.

Calcium Phosphide:—1,600 pounds for eastern and western yards; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 1191, opening July 23.

Candles, Wax, for Pilot Balloons:—45,000; Division of Purchases, Sales and Traffic, Department of Agriculture, Washington; procurement 80, opening July 20.

Carbon Dioxide, Solid:—52,500 pounds; Chemical Warfare Service, Edgewood Arsenal, Md.; circular 1, opening July 15.

Chlorine, Liquid:—120,000 pounds; Chemical Warfare Service, Edgewood Arsenal, Md.; circular 1, opening July 15.

Cleaning Compound for Painted Surfaces:—14,100 pounds for Brooklyn; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 1163, opening July 13.

Drugs and Chemicals:—11 items; Purchasing and Contracting Officer Medical Section, Army Base, Brooklyn, N. Y.; circular 116, opening July 30.

Enamel Lacquer:—400 gallons; Chemical Warfare Service, Edgewood Arsenal, Md.; circular 4, opening July 16.

300 gallons; Commanding Officer, Charleston Ordinance Depot, S. C.; circular 1, opening July 15.

Flavoring Extracts:—Supplies; Sales Officer, Army War College, Fort Humphreys, D. C.; procurement 917-1, opening July 16.

Fuel Oil, Diesel:—6,000 barrels; U. S. Engineer Office, St. Paul, Minn.; circular 4, opening July 21.

Fuel Oil:—30,000 barrels; U. S. Engineer Office, Manufacturers Exchange building, Kansas City, Mo.; circular 740, opening July 13.

Gasoline and Oils:—Supplies and other services for service station deliveries in region 1, comprising the States of Maine, New Hampshire, Vermont, Massachusetts, Connecticut, Rhode Island, Pennsylvania, Maryland, Delaware, New York and New Jersey, for the period ending June 30, 1938; Resettlement Administration, Department of Agriculture, 393 Chapel street, New Haven, Conn.; opening July 19.

Gelatin:—792 pounds; Bureau of Supply, Procurement Division, Treasury Department, Washington; procurement 2040-S, opening July 16.

Glue:—500 pounds casein, 26 gallons marine; Supply Officer, Navy Aircraft Factory, Navy Yard, Philadelphia; requisition 502-26 aero, opening July 15.

Lard and Lard Substitute:—Supplies; Sales Officer, Quartermaster Corps, Fort Hamilton, N. Y.; procurement 387-74, opening July 22.

Supplies; Quartermaster Depot, Chicago, Ill.; procurement 199-3, opening July 20.

Supplies; Sales Officer, Army War College, Fort Humphreys, D. C.; procurement 917-2, opening July 19.

Supplies; Purchasing and Contracting Officer, Quartermaster Corps, Fort Sam Houston, Tex.; procurement 503-272, opening July 20.

Supplies; Quartermaster, Fort Brady, Sault Ste. Marie, Mich.; procurement 158-36, opening July 19.

Supplies for various deliveries; Supply Officer, C. C. C., General Depot, Schenectady, N. Y.; procurement 5211-1, opening July 14.

Lard Substitute:—Supplies; Quartermaster Supply Officer, Fort Mason, San Francisco; procurement 982-2, opening July 19.

Lime, Hydrated:—25 tons; U. S. Engineer Office, Navy building, Washington; circular 1, opening July 13.

Manganese Linoleate:—10,000 pounds for Norfolk; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 1193, opening July 20.

Manganese Resinate:—30,000 pounds for Norfolk; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 1195, opening July 20.

Mayonnaise:—Supplies; Sales Officer, Army War College Fort Humphreys, D. C.; procurement 917-2, opening July 19.

Old Dutch Cleanser:—Supplies; Sales Officer, Army War College, Fort Humphreys, D. C.; procurement 971-1, opening July 16.

Oxygen:—127,600 cubic feet; Chemical Warfare Service, Edgewood Arsenal, Md.; circular 1, opening July 15.

Rust-Proof Solution Powder:—1,000 pounds; Superintendent of Industries, U. S. Northeastern Penitentiary, Lewisburg, Pa.; procurement 396, opening July 15.

Scouring Powder:—Supplies, Quartermaster, Randolph Field, Tex.; procurement 780-1, opening July 21.

Supplies; Sales Officer, Fort Benjamin Harrison, Ind.; procurement 384-37, opening July 16.

Shaving Cream:—Supplies; Sales Officer, Army War College, Fort Humphreys, D. C.; procurement 971-1, opening July 16.

Shoe Polish:—Supplies; Sales Officer, Army War College, Fort Humphreys, D. C.; procurement 971-1, opening July 16.

Silica, Pulverized:—60,000 pounds for Norfolk; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 1171, opening July 13.

Soap, Grit:—16,500 cakes; Purchasing and Contracting Officer, Quartermaster Corps, Fort Sam Houston, Tex.; procurement 503-271, opening July 28.

Soap, Laundry:—185,100 pounds; Purchasing and Contracting Officer, Quartermaster Corps, Fort Sam Houston, Tex.; procurement 503-271, opening July 28.

Supplies; Sales Officer, Army War College, Fort Humphreys, D. C.; procurement 971-1, opening July 16.

Soap, Toilet:—Supplies; Sales Officer, Fort Benjamin Harrison, Ind.; procurement 384-37, opening July 16.

Supplies; Sales Officer, Army War College, Fort Humphreys, D. C.; procurement 971-1, opening July 16.

Soda Ash, Powdered:—10,000 pounds; Commanding Officer, Springfield Armory, Mass.; circular 1, opening July 16.

Soda Hydroxide:—43,200 pounds; Chemical Warfare Service, Edgewood Arsenal, Md.; circular 1, opening July 15.

Titanium Pigment, Dry:—400,000 pounds; for delivery at Mare Island, Cal.; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 1140, opening July 16.

Tooth Powder:—Supplies; Sales Officer, Army War College, Fort Humphreys, D. C.; procurement 971-1, opening July 16.

Supplies, Sales Officer, Fort Benjamin Harrison, Ind.; procurement 384-37, opening July 16.

Varnish, Floor and Interior:—576 gallons; Bureau of Supply, Procurement Division, Treasury Department, Washington; procurement 2037-S, opening July 16.

Varnish, Insulating: — 1,580 gallons for Brooklyn; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 1172, opening July 13.

Washing Powder:—Supplies; Sales Officer, Fort Benjamin Harrison, Ind.; procurement 384-37, opening July 16.

Supplies; Quartermaster, Randolph Field, Tex.; procurement 780-1, opening July 21.

Contracts Awarded

Acetylene:—440,000 cubic feet; award to the Commercial Acetylene Supply Company, at $8,360, by the Lighthouse Service, Staten Island, N. Y.; procurement 53665, opening May 17.

150,000 cubic feet; award to the Linde Air Products Company at $20 per thousand, by the Lighthouse Service, Chelsea, Mass.; procurement 3016, opened May 19.

150,000 cubic feet; award to the Linde Air Products Company, at $3,825, by the Lighthouse Service, Ketchikan, Alaska; procurement 2000, opened April 12.

Supply; award to the Linde Air Products Company, at $2,667, by the Lighthouse Service, Milwaukee; procurement 30417, opened April 28.

Acetylene Gas:—1,150,000 cubic feet; award to the Air Reduction Sales Company, at 1.95 cents per cubic foot, by the Rock Island Arsenal, Ill.; procurement 702, opened May 27.

Aluminum Bronze Powder:—2,400 pounds; award to the Acme Bronze Powder Company, at 43 cents a pound, by the Army Air Corps, Wright Field, Dayton, O.; circular 776, opened June 10.

Aluminum Paint Mixing Varnish:—1,600 gallons; award to the Central Paint & Varnish Works, at 65.5 cents a gallon, by the Army Air Corps, Wright Field, Dayton, O.; circular 777, opened June 8.

Anhydrous Ammonia:—12,000 pounds; award to E. I. duPont de Nemours & Co., at 18.5 cents a pound, by the Rock Island Arsenal, Ill.; procurement 704, opened May 27.

Asphalt, Cutback:—6,000 gallons; award to the Standard Oil Company of Indiana, at 10.77 cents a gallon, by the Rock Island Arsenal, Ill.; procurement 698, opened May 28.

Carbon Dioxide Liquid:—45,000 pounds; award to the Pure Carbonic Company, at 6 cents, by the Army Air Corps, Wright Field, Dayton, O.; circular 817, opened June 16.

Concrete Curing Solution:—Supply; award to the Hunt Process Company, at $1,558.66, by the U. S. Engineer, Fort Peck, Mont.; circular 414, opened April 7.

Creosote Stain:—900 gallons; award to the General Paint Corporation, at 57 cents, by the Quartermaster, C. C. C., Vancouver Barracks, Wash.; procurement 95, opened June 18.

Disinfectant:—500 gallons; award to the McLaughlin-Gormley-King Company, at $438.26, by the U. S. Engineer, Fort Peck, Mont.; circular 398, opened March 26.

Enamel:—450 gallons; award to the Hildreth Varnish Company, at 94.5 cents, by the Quartermaster Supply Officer, Army Base, Brooklyn, N. Y.; procurement 278, opened July 18.

Engine Rust Preventive Compound:—1,425 gallons; award to the R. M. Hollingshead Corporation, at $1.34, by the Army Air Corps, Wright Field, Dayton, O.; circular 818, opened June 16.

Fuel Oil:—225,000 gallons; award to the Socony-Vacuum Oil Company, at $1.40 a barrel, by the U. S. Engineer, New York City, First District; procurement 221, opened April 2.

5,400 gallons; award to the Socony-Vacuum Oil Company, at 8.25 cents a gallon, by the U. S. Engineer, New York City, First District; procurement 221, opened April 2.

Gasoline:—Supply; award to H. A. Gudmundsen, at $2,630, by the Lighthouse Service, Milwaukee; procurement 30414, opened April 29.

Gasoline, Kerosene, and Fuel Oil:—Supply; award to Clair S. Webster, at $3,169, by the Lighthouse Service, Milwaukee; procurement 30415, opened April 29.

Hydraulic Fluid:—1,350 gallons; award to the Wagner Electric Corporation, at $2.55, by the Army Air Corps, Wright Field, Dayton, O.; circular 816, opened June 15.

Jack Oil:—5,000 gallons; award to the Standard Oil Company of Pennsylvania, at 8.5 cents, by the U. S. Engineer, Pittsburgh; procurement 318, opened March 27.

Kerosene:—Supply; award to the Texas Company, at $3,000, by the Lighthouse Service, Milwaukee; procurement 30413, opened April 26.

Kerosene, Marine:—40,000 gallons; award to the Maritime Petroleum Company, at $2,160, by the Lighthouse Service, Staten Island, N. Y.; procurement 53487, opened April 7.

Essential Oils, Aromatic Chemicals

Geranium Lower — Lemongrass Down Under Competition —Palmarosa Reduced, Spot and Replacement—Wormseed Off To Favorable Price Level—Bergamot Firm at Rise Here

While there were numerous concessions in prices, plus a few advances in values, last week, the market for essential oils and aromatic chemicals, on the whole, was a somewhat quiet affair throughout the past week. Summertime inertia held the market definitely, though somewhat loosely in its grip and except for items of seasonal requirement, trade was confined to quantities fairly well within jobbing size. Notwithstanding this, prices on the major-

Price Changes

Prices were changed during the past week as follows:—

Advanced

Bergamot, 10c. per lb.
Birchtar, refined, 5c. per lb.
Cedarleaf, 20c. per lb.
Fennel, 10c. per lb.
Orrisroot, Florentine, concrete, 25c. per lb.

Reduced

Almond, sweet, 5c. per lb.
Citronella, Ceylon, 2c. per lb.
Geranium, Algerian, 75c. per lb.
Bourbon, 25c. per lb.
Lemon, Messina, 5c. per lb.
Lemongrass, 10c. per lb.
Palmarosa, 20c. per lb.
Pimento, berry oil, 25c. per lb.
Rosemary, Spanish, 5c. per lb.
Wormseed, 10c. per lb.

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
82.0	81.9	81.9	73.2

Market news that may have developed after this report was sent to press will be found on page 4.

ity of materials were fairly firm throughout the period.

The situation in the French franc failed to be productive of substantial effect on the market here. The value was between 3.85c. and 3.87c. to the franc, being, roughly, a devaluation ranging between 12% and 15% brought about as the unit was permitted to find its own level in the international exchange market. Information here suggested that much of the devaluation had been cancelled by somewhat higher prices being named by the shippers of French oils whose position was one permitting such a rise. As to local quotations, they were not affected.

Some reports indicated that the comparative scarcity of Spanish oils will be relieved somewhat, with an occasional exception being noted for the reason that production was in areas directly and adversely affected by the civil war. French oils were generally believed to be in a favorable position so far as future supplies were concerned. Italian oils were about steady. Domestic products were in somewhat uncertain position as to the coming crop. Definitely adverse reports on peppermint have been received. On Erigeron, tansy, and pennyroyal, the outlook was said to be one too good at this time, but there seemed to be something in the wind as regarded wormseed as the quotations on that item were reduced slightly.

Essential Oils

Almond. — One-quarter came back into the spot market with offerings, conservative in size, of sweet oil on the basis of a minimum of 90c. per pound. The range was to $1 per pound as to seller and quantity. Most sellers were reserved, though stocks have gained somewhat of late.

Anise.—A steady market prevailed throughout the past week even though consuming demand was somewhat less than satisfactory. Moderate supplies and steady replacement costs tended to keep values well supported throughout the entire period.

Bergamot.—In most quarters, the market was $3.70 to $3.80 per pound, which was a price fairly in line with the present replacement cost of oil in the primary market. Demand was narrow and mainly of the jobbing persuasion.

Birch Tar. — Refined material was higher at 70c. to 75c. per pound, reflecting the inability of producers to get a normal yield from recent importations of crude tar.

Cedarleaf.—With stocks none too plentiful and the prospect for additional reserves being not very encouraging, local sellers priced oil in drums of 95c. to $1.10 per pound while in cans, $1 to $1.15 per pound was being obtained most of the time.

Citronella. — Competition on the market for Ceylon oil was active and the spot price in drums was down to 40c. to 42c. per pound; cans, 42c. to 44c. per pound. Prices in the primary market have fluctuated somewhat, showing declines with partial recoveries at times. In the meantime, demand was fairly good for import parcels, but not so good as to spot requirements.

Clove.—Exceptionally firm prices prevailed in keeping with steady deliveries of sold on term contracts. Raw material prices were well maintained at the source.

Coriander. — Some prominent sellers have withdrawn all prices, being either cleaned of supplies, or being desirous of conserving small stocks in hand that regular customers may beable to secure something. Stocks were exceptionally small in all quarters and a high production cost made for strong, high prices on the oil.

Erigeron. — Though the use of the article has contracted substantially, there still remains a narrow market and hence the fact that stocks carried over are small, while the prospect for new production is not encouraging tended to keep quotations firm to strong.

Eucalyptus. — Undertones were very firm. Prospects for heavy consumption during the months ahead were excellent, while the prospect for normal supplies was said to be none too good. Prices were thoroughly maintained.

Fennel. — Sales have been made in substantial quantities at $1.10 per pound and in some directions last week the minimum quotation was $1.15 per pound. New production was somewhat doubtful as to size and well maintained cost on new crop goods has been forecast.

Grapefruit.—Export business was said to have been fairly good, England being an excellent user of the item. Domestic consumption has expanded somewhat and the material seemed to be slowly gaining favor in this country, especially as attractive prices have been named.

Geranium.—Lower quotations on Algerian oil brought the market to $4 to $4.75 per pound, as to quality, while the Bourbon oil was down to $3.75 to $4 per pound, same basis. These quotations reflected the more favorable prices at which replacements had been secured.

Ginger.—Production costs held firm and hence oil was well maintained even though demand was generally conservative and usually of jobbing proportions last week.

Lavender.—Recent advices have named somewhat lower prices on account of favorable prospects for the new crop. The market locally seemed to be somewhat unsettled and the tendency of values was to move in favor of the manufacturing consumer.

Lemon. — Messina oil was shaded slightly to $3.50 to $3.75 per pound, according to quantity. This reflected some easing of the price position of the article as recently quoted in Italy. California oil was offered at $2.60 per pound and was said to be in relatively firm position in keeping with the very good movement against existing term contracts.

Lemongrass. — Spot quotations were lower at 40c. to 50c. per pound, as to seller. The replacement cost was favorable and generally easy. Some reports in local circles intimated that the minimum figure above was subject to shading. Demand was routine.

Lime.—Seasonal movement was reported to be very good on the whole and the price schedule on the item was generally firm and well maintained. Values at the source were also firm.

Orange. — Prices were about steady.

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

CLOSE CONTACT with primary markets all over the world assure you of last minute low prices on Quality Essential Oils.

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New! LEMON
CONCENTRATE
MANUFACTURERS accustomed to using high priced lemon concentrates will welcome the economy afforded by this new product. Its great concentration, ready solubility and proven stability insure satisfaction in a great variety of applications. You can prove this by putting EFF-BEE FIVEFOLD LEMON CONCENTRATE through the severest tests. It is a worthy companion flavor to our EFF-BEE FIVEFOLD ORANGE CONCENTRATE. Write us for samples.
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Proprietors of PARFUMERIES de SEILLANS Seillans, France
FRITZSCHE BROTHERS, of Canada, Ltd., 77 79 Jarvis St., Toronto, Canada
PORT AUTHORITY COMMERCE BLDG.
76 NINTH AVENUE, NEW YORK, N. Y.
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BASE OILS—For Soapless Shampoos
For Polishing Compounds—For Cosmetic Preparations
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GUMS
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THE FINEST OBTAINABLE
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Favorable withdrawals on term contracts were in line with seasonal conditions and consumption was said to be running to an excellent poundage. Stocks were proving to be ample for all requiremets at this time.

Orris.—Florentine concrete of extra strong quality was reported higher at $5.25 to $5.50 per pound, being supported by a very fair sized consuming request, and a well maintained cost of replacement.

Palmarosa.—Somewhat easier prices on replacement material have led some local quarters to offer prompt deliveries out of spot stocks on the basis of $2.90 to $3 per pound. The market was active only within routine limits.

Peppermint.—While quotations were reduced no further, they were still unsettled by the prevailing competition in local quarters. Against this situation, favorable to buyers trading here, was the firm view taken by primary market factors who view the crop prospects as being substantially poor at this time.

Pimento.—Though supplies were still subnormal, berry oil was shaded to the basis of $3.75 to $4 per pound under competition. Leaf oil was equally low in supply and remained very steady. Demand was moderate.

Rosemary.—Slightly lower quotations on Spanish oil indicated some improvement in the matter of supplies. Drums ranged 50c. to 65c. per pound, while cans were noted at 55c. to 70c., prevailing according to seller, quality, and quantity.

Wormseed.—Quotations have been reduced to $2.70 to $2.75 per pound, which was considered to be a favorable figure. Not much demand was reported at the lower levels.

Aromatic Chemicals

Amyl Salicylate.—Stable prices were the rule in all directions and the market as a whole was one of firm undertones and quiet demand.

Benzyl Alcohol.—Quiet trading was the general rule, but the market appeared to have a steady quality so far as prices were concerned. Buyers traded close to their actual needs.

Benzyl Cinnamate.—Inquiries were moderate in number and sales were also conservative in size. Prices were steady to firm in the absence of aggressive competition.

Cinnamic Alcohol.—Buyers appeared to be carrying a fair reserve stock of this item and hence trade was along somewhat narrow lines throughout the past week. Quotations lacked signs of unsettlement.

Cinnamic Aldehyde.—Very good request for the pure article was noted and the market was more active than it had been recently. Undertones were

(Continued on page 62)

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

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What You Can Use

Various Materials That Are Suitable for Operating Purposes in Chemical Processing Industries

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One-hundred-eighty-fourth Instalment

Lead Ores

Concentration Reagents for Lead Ores

Alkali sulphydrates
Alkali-earth sulphydrates
Hydrochloric acid
Hydrogen sulphide
Sulphur dioxide
Sulphuric acid
Sulphur trioxide

Flotation Reagents for Lead Ores

Alcohols, sulphonated
Alkali hydroxides
Alkali sulphydrates
Alkali sulphides
Alkali-earth sulphydrates
Amido acids
Ammonium-nitroso-phenylhydroxylamine-phenylglyoxime
Black sage
Carbon dioxide
Carbon monoxide
Castor oil
Dinitroresorcinol
Eucalyptus oil
Fats, sulphonated
Gall extract
Hydrochloric acid
Hydrogen sulphide
Isonitroso bodies
Lime
2-Naphthol
Niter cake
Nitrogen
Oils
Oils, sulphonated
Olive oil
Oximes
Pasture sagebrush
Phenols, sulphonated
Pine oil
Sage brush
Sagetar oil
Saltcake
Silicic acid solution
Sodium acid sulphate
Sodium sulphate
Sulphur dioxide
Sulphur trioxide
Sulphuric acid
Taurocholic acid

Smelting Reagents for Lead Ores

Ferrous oxide
Iron sulphide
Lime
Metal sulphides
Silica
Sodium chloride
Steam

Sulphidation Reagents for Lead Ores

Calcium sulphide
Hydrogen sulphide

Varieties of Lead Ores

Altaite (lead telluride)
Anglesite (lead sulphate)
Bournonite (sulphide of antimony and lead)
Cerussite (lead carbonate)
Crocoite (lead chromate)
Galena (lead sulphide)
Jamesonite (sulphide of antimony and lead)
Krokoite (lead chromate)
Mimetite (lead arsenate)
Native lead
Pyromorphite (lead phosphate)
Vanadinite (lead vanadate)
Wulfenite (lead molybdate)

Lead Sulphide Ores

Flotation Reagents for Lead Sulphide Ores

Air
Aldol
Alkali chlorides
Alkali hydroxides
Alkali-earth sulphides
Alum
Aluminum oleate
Ammonium hydroxide
Barium chloride
Calcium chloride
Calcium hydroxide
Calcium nitrate
Calcium sulphate
Calcium sulphohydrate
Charcoal
Chlorine
Coke
Copper sulphate
Eucalyptus oil
Gas
Graphite
Hydrochloric acid
Hydrogen sulphide
Iron sulphates
Lime
Magnesium chloride
Magnesium nitrate
Magnesium sulphate
Manganese sulphate
Metallic oleates
Mineral oil
Oleic acid
Phenol
Pine oil
Potassium bichromate
Potassium carbonate
Potassium chloride
Potassium nitrate
Potassium sulphate
Rosin soap
Silicic acid solution
Sodium bicarbonate
Sodium carbonate
Sodium chloride
Sodium hydroxide
Sodium hyposulphite
Sodium nitrate
Sodium silicate
Sodium sulphate
Sodium sulphide
Sodium sulphite
Steam
Sulphites
Sulphur
Sulphur dioxide
Sulphuric acid
Sulphurous acid
Sulphur trioxide
Thiocarbanilide
Xylidin
Zinc sulphate

Reagents for Separating Gangue from Lead Sulphide

Aluminum oleate
Ammonium hydroxide
Calcium hydroxide
Metal oleates
Pine oil
Sodium thiosulphate

Reagents for Separating Lead Sulphide from Pyrites

Alkali carbonates
Alkali hydroxides
Ethyl ether
Oleic acid
Sodium carbonate
Sodium chloride
Sodium hydroxide
Sulphuric acid

Reagents for Separating Lead Sulphide and Zinc Sulphide

Aldol
Alkali carbonates
Alkali chlorides
Alkali hydroxides
Alkali hyposulphites
Alkali salts
Alkali sulphates
Alkali-earth carbonates
Alkali-earth hydroxides
Alkali-earth hyposulphides
Alkali-earth salts
Alkali-earth sulphides
Alum
Amalgams
Barium chloride
Calcium chloride
Calcium hydroxide
Calcium nitrate
Calcium sulphate
Calcium sulphite
Charcoal
Chlorine
Coaltar creosote
Coaltar oil
Coke
Copper sulphate
Cresol
Cresylic acid
Ethyl ether
Eucalyptus oil
Flotation processes
Graphite
Hydrogen sulphide
Iron sulphates
Lime
Magnesium chloride
Magnesium nitrate
Magnesium sulphate
Manganese sulphate
Mercury
Mercury salts
Oleic acid
Pine oil
Potassium bicarbonate
Potassium bichromate
Potassium carbonate
Potassium chloride
Potassium nitrate
Potassium sulphate
Sodium bicarbonate
Sodium carbonate
Sodium chloride
Sodium hydrosulphide
Sodium hydroxide
Sodium monosulphide
Sodium nitrate
Sodium polysulphide
Sodium silicate
Sodium sulphate
Sodium sulphide
Sodium sulphite
Sulphite
Sulphur dioxide
Sulphuric acid
Thiocarbamilide
Xylidin
Zinc sulphate

Reagents for Separation of Silver from Lead Sulphide

Charcoal
Coke
Eucalyptus oil
Graphite

Reagents for Separation of Sphalerite from Lead Sulphide

Alkali chlorides
Alkali hydroxides
Alum
Barium chloride
Calcium chloride
Calcium hydroxide
Calcium nitrate
Calcium sulphate
Chlorine
Eucalyptus oil
Iron sulphates
Magnesium chloride
Magnesium nitrate
Magnesium sulphate
Manganese sulphate
Potassium bicarbonate
Potassium carbonate
Potassium nitrate
Potassium sulphate
Sodium bicarbonate
Sodium chloride
Sodium nitrate
Sodium sulphate
Zinc sulphate

Reagents for Treatment of Lead Sulphide Ores

Alkali chlorides
Alkali-earth chlorides
Ammonium chloride
Calcium chloride
Chlorine
Coal, bituminous
Ferric sulphate
Iron chlorides
Lime
Magnesium chloride
Manganese chloride
Potassium chloride
Silica
Sodium chloride
Sulphonyl chloride
Zinc chloride

Petroleum Solvents, Lubricants, Fuels

Gasoline Situation Tighter — Stocks Drop Off Substantially —Industrial Oils Demand Moderates—Mirando Crude Price Raised — Average Crude Flow Declines

The improving gasoline situation was still of commanding interest in the market for refined petroleum products. Industry's interest in the oil market waned as the products used for industrial raw materials encountered some of the dullness that is usual during the Summer months. Physical and statistical improvement in the gasoline market was sponsored mainly by the heavy consumption over the preceding week-end. Latest reports on stocks in storage showed another drop and with an aggregate of 74,672,000 barrels on hand July 3, the gallonage stored was considerably below the peak of a few weeks back and was now at a more normal relationship with the production and the demand. Midcontinent refiners were reported behind on deliveries of gasoline and fuel oil.

Low gravity crudes at the Mirando (Texas) field were increased last week by two of the leading purchasers there. Mirando crude below 26° gravity was advanced 1c. to 6c. per barrel, effective last Tuesday.

Wax continued as one of the strongest commodities in the industrial raw materials group. There were no further price changes last week, but Midcontinent refiners were short and immediate deliveries from the Midcontinent were practically impossible.

Domestic gasoline consumption during the first six months of the year totaled 246,000,000 barrels, an all-time peak, according to Secretary Ickes. This compared with 221,000,000 barrels during the first six months of last year and 201,000,000 barrels during the same period of 1935.

Daily average production of crude oil in United States for the week ended July 3 was 3,525,650 barrels, a decrease of 3,950 barrels from the preceding week, according to the estimate of the American Petroleum Institute, which omits any oil that might have been produced surreptitiously. The average for four weeks ended July 3 was 3,520,550 barrels and the average at this time a year ago was 2,892,300 barrels. Runs of crude oil to stills were reported to the A.P.I. by companies controlling 88.8 percent of the nation's refinery capacity, as having averaged 3,011,000 barrels for 83 percent of refinery operation, and 259,000 barrels additional were believed to have been sent to stills by operators not included in the aforementioned report, for a total average run of 3,270,000 barrels against 3,235,000 barrels in the preceding week. Crude oil stocks were 307,679,000 barrels, June 26, against 307,465,000 barrels, June 19, according to the Bureau of Mines.

Solvents and Diluents

Petroleum solvents and naphthas at the refinery markets in the East Coast, Midcontinent and Far Western districts continued with price steadiness as their most outstanding characteristic. There has been no change in tankcar prices during recent weeks but there was a definite leaning toward the stronger side of the market. Tankwagon prices in leading Eastern and middle Western cities were also without change last week. General demands showed some effects of the usual dullness of the Summer months.

Cleaners' Naphthas.—There has been no change in tankwagon prices since the establishment of a 13½c. price a week ago at Bridgeport, Conn. Tankcar markets were steady and unchanged throughout.

Petroleum Thinners.—Reports from the Midcontinent and the Pacific Coast refinery areas indicated the presence of a similar degree of steadiness that featured the Eastern seaboard market. Demands continued in fair style, having shown some diminution in recent weeks.

Rubber Solvents.—The sale of these solvents was a little slower last week and perhaps will continue to moderate as the tire companies prepare to shut down for annual inventory purposes. The annual lay-off for inventories was scheduled for the end of this month. Prices for light and heavy grades of solvent continued unchanged and steady.

Stoddard Solvent.—Conditions surrounding the market were little changed from a week ago. Demands seemed to be holding up better than those for some of the related solvents. Prices for tankcars at the refinery points continued without change and the general tone of the market was one of steadiness. There has been no change in tankwagon prices within the past few weeks.

V. M. & P. Naphthas.—Consuming operations have undergone the usual diminishment that comes at this time of the year. Prices continued at unchanged levels at the refinery points and also in the tankwagon markets here and in the middle West.

Markets at Other Centers

Chicago, July 8.—A good volume of business continues to be done in the petroleum solvents and diluents. The business was mostly devoid of unusual developments. Orders were coming through fairly well at this time in various products. Ruling prices in tankcar lots except as noted were (tankcar to prices f.o.b. Group 3 Oklahoma):—Blending naphtha, 5c. to 5¼c. per gallon; cleaners' naphtha, 7⅝c. to 7¾c., tankcar; 17.1c., tankwagon; petroleum spirits, 6⅜c. to 6½c., tankcar; lacquer diluent, 8⅜c. to 8½c.; rubber solvent, 7⅜c. to 7½c.; Stoddard solvent, 6⅝c. to 7c., tankcar; 15.6c., tankwagon; v.m. & p. naphtha, 7½c., tankcar; 16.1c., tankwagon.

Tulsa, July 8.—There was no change in petroleum solvents prices and the movement was routine. Cleaners, V.M.P. and Stoddard solvents were quoted from 6⅞c. to 7⅞c. per gallon.

Lighter Fractions

Light gaseous solvents continued in a steady position last week. There has been no movement in prices since the changes of a few weeks ago when tankcar prices for pentanes and octanes were advanced and the ethers and heptanes were reduced. Latest reports indicated that the industrial demands for these commodities were quite routine.

Heptanes.—The 77-115° material has held free from further change since the reduction of a few weeks ago when the tankcar price at the Midcontinent refineries was lowered to 8½c. per gallon.

Octanes.—Tanks continued at 10½c. per gallon while drum cars were quoted at 13c. per gallon and smaller lots were named at 15c. per gallon, all f.o.b. Group 3. Industrial demands were described as having been routine recently.

Pentanes.—In company with other light gaseous solvents, the market held a steady position under routine consuming demands. Tankcars of the normal industrial grade continued at 8½c. per gallon, f.o.b. Group 3.

Petroleum Ether.—Producers in the Midcontinent area have not made any further change in quotations since the recent revision to 14c. per gallon for drumcars of 30-60° and 40-75° material f.o.b. Group 3.

Petrolatums and Waxes

White Mineral Oils.—The volume moving out of sellers' hands now is very small. As usual at this time of the year orders were few and far between. Despite the light trading which is expected to continue over the Summer, prices have held a good degree of steadiness and there was no evidence of concessionary selling.

Paraffin Waxes.—Scale wax held its own last week. Suppliers continued to quote the market at 2.90c. to 2.95c. per pound for 122-124 American and 2.95c. to 3c. per pound for 124-126 A.m.p. grade. Export interest continued fairly active. The fully refined wax market continued unchanged and as reported a week ago, market sentiment seemed to indicate that the prices quoted to the domestic trade would remain unchanged and would not follow the recent increase in the prices for fully refined wax for export.

CHICAGO, July 8.—Business in refined wax has been reaching good totals and sellers seemed to be having more trouble in handling business than in getting orders. The price structure was strong and tone healthy. Ruling prices were:—122-124, 4.65c. to 4.75c. per pound; 125-127, 4.9c. to 5c.; 127-129, 5.05c. to 5.15c.; 130-132, bulk or bag, 5.45c. to 5.55c.; 132-134, bulk or bag, 5.7c. to 5.8c.

TULSA, July 8.—The wax market continued exceedingly strong with practically no deliveries obtainable before August. Quotations for the 124-126 American are 3c. to 3⅛c. per pound. Because of the sold out condition of the plants, trading was practically at a standstill.

Petrolatum.—There has been no change in the market's condition for the past several weeks. The outstanding feature of the market is the fact that all sales were being registered at the full asking prices of the schedule. There was no sign of weakness anywhere in the market.

Fuels and Lubricants

Price firmness was the foremost characteristic of the refined oil markets in the Eastern seaboard sector last week. The gasoline position gained material underlying support by the heavy consumption over the preceding week end and the stocks in storage were fast approaching a more natural relationship with the production and demand. Kerosene was also firm here. The current high cost of tanker transportation

Outputs and Quotas

A comparison of Bureau of Mines calculations for July production, state allowable quotas where they exist and the American Petroleum Institute's estimate of crude production for the week ended July 3 follows:—

	B. of M. Dept. of Int. calculations.	State allowable.	Estimated output.
Oklahoma ..	629,700	629,700	619,600
Kansas	195,600	195,600	193,000
Texas 1	,375,100	1,385,476	1,416,600
Louisiana ...	253,000	263,850	261,350
Arkansas ...	28,400	.....	28,350
Eastern	122,100	.....	123,550
Michigan ...	39,800	.....	43,100
Wyoming ...	52,900	.....	48,900
Montana	16,200	.....	17,200
Colorado	4,700	.....	4,300
New Mexico.	100,800	114,500	114,600
California ..	605,500	605,500	655,100
Totals 3	,423,800	.....	3,525,650

* Recommendation of Central Committee of California Oil Producers.

The State of the Petroleum Market

Low gravity crudes, below 26°, were advanced 1c. to 6c. per barrel at the Mirando (Texas) field. Gasoline was stronger at the Midcontinent.

	July 9	July 2	Last Year
Crude petroleum prices at well (average for ten fields) per barrel.....	$1.399	$1.399	$1.286
Gasoline prices at refineries (at four refining centers) per gallon	.056375	.056375	.0555

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7

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The Accepted Standard of the Market

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LILY WHITE
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Proprietors of PARFUMERIES de SEILLANS Seillans, France 70 NINTH AVENUE, NEW YORK, N. Y.

FRITZSCHE BROTHERS, of Canada, Ltd., 77-79 Jarvis St., Toronto, Canada 118 WEST OHIO ST. CHICAGO, ILL.

Petroleum Production—Motor Fuel Stocks

	Barrels	
	1937 Jan. 1-July 10	1936 Jan. 1-July 10
Commercial crude oil production	646,204,000	551,059,000
	Week ended Jury 10, 1937	Week ended July 11, 1936
Daily average production	3,520,000	2,881,800
	Week ended July 3, 1937	Week ended June 26, 1937
Estimated motor fuel stock total	74,672,000	75,427,000
Estimated finished motor fuel stock at refineries	43,643,000	44,890,000

from the Gulf has given all of the refined oils a firm under-position. Pennsylvania lubricating oils moved off following the weakness reported a week ago.

Market Conditions

Gasoline.—Although leading refiners did not make any change in prices at the local bulk markets, there was a general stiffening of market conditions. The position of 65 octane material in tankcars was quite firm at 7½c. per gallon, basis refinery, and no offerings were heard below that figure. 62-63 octane material was around 7¼c. per gallon with some quotations reported at 7⅜c. per gallon. Trade reports indicated that the consumption over the preceding week-end was at or near record-breaking proportions and gasoline stocks in storage were now believed to have been leveled out close to a normal relationship with the production and consumption. Latest figures from the A.P.I. indicated a drop from 75,427,000 barrels in store June 26 to 74,672,000 barrels July 3. In mid-June stocks were over 76,000,000 barrels. Retail market conditions in New Jersey were improving. The export market at the U. S. Gulf held the ⅛c. per gallon advance of a week ago and quotations were as follows: U. S. motor, 6c. per gallon; 60-62, 400 e.p., 6⅛c. per gallon; 60-62, 390 e.p., 6¼c. per gallon; and 64-66, 375 e.p., 6⅜c. per gallon.

Kerosene.—Although the market for 41-43 water white material in tank cars at the local refinery points was named at 6c. per gallon, some sellers were naming 6⅛c. per gallon. The demands were light and scattered but the underlying position of the market was quite firm, the increased tanker transportation costs having given the market considerably more strength than usual for this time of the season. The export market at the U. S. Gulf also continued unchanged at 4¾c. to 4⅞c. per gallon for prime white and 5c. to 5⅛c. per gallon for water white.

Fuel and Gas Oils.—The bunker oil market continued strong at the basis of $1.35 to $1.50 per barrel for C grade oil, according to seller. Diesel oil was also unchanged. The high cost of tanker transportation from the Gulf gave the heavy oils a strong fundmental appearance and although some believed that current tanker rates would soon retrogress from their current high position, the current cost of transporting the oil to the Atlantic seaboard would warrant even higher prices than those quoted now.

Lubricating Oils. — Pennsylvania bright stocks, cylinder oils and neutrals were lower in price last week. Regular pour bright stocks were marked off to 27c. per gallon. Cylinder oils were now quoted as follows:—600 s.r., 19c. per gallon; 600 flash, 22½c. per gallon; 63 deg. flash, 26½c. per gallon; 635 fire, 20c. per gallon; 65 deg. fire, 21½c. per gallon; and Warren E, 22½c. per gallon. Neutrals were quoted at 25½c. per gallon for 150: 27c. to 27½c. per gallon for 180; and 25½c. per gallon for 200 viscosity.

Crude Oil Price Changes

Central Texas

Magnolia Petroleum Company and Humble Oil & Refining Company increased prices on low gravity crudes at the Mirando field, 1c. to 6c. per barrel, July 6. Oil below 21 gravity was raised 6c. to 96c. per barrel; 21-21.9 up 5c. to 98c.; 22-22.9, up 4c. to $1.23; 23.9, up 3c. to $1.02; 24-24.9, up 2c. to $1.04; 25-25.9, up 1c. to $1.06 per barrel. The remainder of the schedule was unchanged at $1.08 per barrel for 26-26.9 and a 2c. differential for each additional degree of gravity up to $1.36 per barrel for 40 and above.

Markets at Other Centers

Tulsa, July 8.—Deliveries on gasoline orders and fuel oils fell behind. There was a particular shortage of dirty cars for movement of fuel orders and a number of refiners could not take orders of gasoline for immediate shipment. The impossibility to effect rush shipments was even felt in the natural gasoline market in some spotted areas.

More support came into the gasoline markets both in refinery and natural grades during the week. The buying of naturals for Gulf Coast delivery was again brisk and the price in Texas for the 26-70 grade again rose ⅛c. per gallon. In the refinery grades there was no change in prices but the tone became much firmer than was the case in the previous two weeks. For the first time in several weeks refinery gasoline appeared to have the support of the larger companies. There was substantial buying by major interests. An inventory following the consumption of the three-day holiday revealed further large withdrawals from storage and the need to partly replenish bulk storage was held to be the primary cause of the major buying. However it was believed that this buying, if sufficiently extensive, would cushion the price structure and restore the possibility of raising quotations to the higher levels that formerly prevailed this year.

Although the general level of quotations for kerosene was not changed, the tone of the market was soft and some resellers have been able to obtain ⅛c. concession from prices quoted last week. There are fewer orders in the market and with the seasonal decline in consumption developing, some refiners have been anxious to move all of their production. However, the demand for tractor distillates does not appear to have suffered and quotations remain firm.

GASOLINE.—Quotations were unchanged at 4¾c. to 5c. per gallon in third grade U. S. motor of low octane rating. The 63-67 octane grade was 5¼c. to 5½c. per gallon and the 68-70 octane grade was 5⅝c. to 5⅞c. per gallon.

NATURAL GASOLINE.—The 26-70 grade advanced ⅛c. to 3⅛c. per gallon but Oklahoma remained unchanged at 3¾c. per gallon. Domestic buying for coastwise trade was very large while buying for internal points was limited. The 18-pound grade was quoted at 4⅝c. to 4¾c. per gallon in Texas and 4½c. in Oklahoma.

KEROSENE.—Refiners maintained their quotations for 41-43 grade but the resale market was easier and trading was effected as low as 3¾c. The high was 4¼c. per gallon. The 42-44 grade was 4⅛c. to 4⅜c. per gallon.

DISTILLATES.—Trading was negligible but inquiries for Fall and Winter requirements were again numerous. Quotations remained at 3¾c. to 4c. per gallon for the No. 1 white to straw of 38-40. The No. 2 was 3⅜c. to 3⅝c. straw to dark for the 32-36 and the dark gas oils were 3¼c. to 3½c. per gallon.

FUEL OILS.—The residuals continued at 80c. to 85c. per barrel and the 24-26 low cold test was $1.07½ to $1.12½ per barrel while the 24-28 high cold test is 90c. to 95c. per barrel.

LUBRICANTS.—There was still no weakness in the market although the Pennsylvania market was exerting pressure with a decline in neutrals and bright stocks. Some readjustment in the steam refined stocks may develop. Export buying was effected at current prices in the Tulsa market this week.

Chicago, July 8.—Strength is reappearing in the refinery gasoline market after a several-weeks period of relaxation. The extraordinary volume of gasoline consumption seems mostly responsible. Refiners' shipments of material to their customers are reaching best levels in history, following the big Fourth of July demand. Prices are unchanged, but tone is better. Kerosene and tractor fuels remain steady. The heating oils are seasonally inactive, but are mostly holding. Heavy fuels are doing better in this region, following recent softening. Luibricating oil business is good everywhere and movement to the trade heavy.

GASOLINE.—Low octane motor, 5c. to 5¼c. per gallon; middle octane motor, 5⅜c. to 5⅝c.; high octane motor, 6c. to 6¼c.; 60-62, 400, 5c. to 5¼c.; 64-66, 375, 5c. to 5¼c.; 68-70, 360, 5⅛c. to 5⅜c.

KEROSENE.—42-44, water white, 4⅜c. to 4½c. per gallon, 41-43, water white, 4⅛c. to 4¼c.

FURNACE OIL.—No. 1 prime, 3⅞c. to 4c. per gallon; No. 1 straw, 3⅝c. to 3¾c.; No. 2 straw, 3⅜c. to 3½c.; No. 2 dark, 3¼c. to 3⅜c.; No. 3, 3⅛c. to 3¼c.; 32-36, dark, industrial gas oil, 2⅞c. to 3c.

FUEL OILS.—No. 4, $1.05 to $1.12½ per barrel; No. 5, 85c. to 90c.; No. 6, 77½c. to 80c.

New Orleans, July 6.—A firm tone was evidenced in the domestic market during the past week, with prices remaining unchanged. Foreign inquiries and exports were good. U. S. Motor gasoline was quoted at 6½c.; U. S. motor below 62 octane at 6½c.; 63-67 octane at 6⅞c. and 68-70 octane at 7¼c—quotations being on a per gallon basis at refinery.

Kerosene remained stationery at 7⅜c. per gallon at refinery.

Bunker C fuel oil continued to be quoted at $1.05 per barrel at terminal and $1.10 per barrel delivered alongside, while industrial plants were quoted on a basis of $1.46 per barrel, delivered.

I.C.C. Rules on Freights On Petroleum Products

The Interstate Commerce Commission has made the following rulings authorizing changes in freight rates on petroleum products:—

Gasoline, Superior, Wis., to Minneapolis and St. Paul, 9 cents per 100 pounds in tankcars, and higher rates to intermediate points. The rate had been 17½ cents, and the use of the new rate will be permitted under certain conditions to enable railroads to meet competition of a proposed pipeline between the two points.

Fuel oil and other low-grade oils, lower rates on the Missouri Pacific Railroad Company's interstate route through Kansas City, Mo., between refining points in Kansas and destinations in the same State, with higher rates to intermediate points. The reduction is authorized to enable the carrier to compete with intrastate rates.

Lubricating oil and grease, in packages or in tankcars, carloads, new rates from points in Ohio, Pennsylvania, and West Virginia, to Billings, Laurel, and Mossmain, Mont., with higher rates to intermediate points. The authority applies to routes in connection with the Great Northern Railway Company and provides for rates the same as those concurrently maintained over competing routes between the same points.

Petroleum products, carloads, lower rates from points in the Southwest to specified points in Wisconsin. The new rates will affect dealers in the east central portion of Wisconsin. The commission found that the rates complained of were preferential of competitors located in St. Paul and Red Wing, Minn., and at Milwaukee, Beaver Dam, Horicon, and other Wisconsin points, and prescribed a rate which may not exceed the corresponding rates to the points found to be preferred by more than 2½ cents per 100 pounds for each 50 miles or fraction thereof, by which the distances to the prejudiced points exceed those to the preferred points over the shortest rail lines.

The commission has denied an application of the Illinois Central Railroad requesting authority to establish a rate of 10 cents per 100 pounds on gasoline, kerosene, fuel oil, and furnace oil, in tankcars, from Chicago to Mendota, Ill., and to maintain higher rates to intermedaite points.

The Feldman Petroleum Company, Chicago, has intervened in the Tankar Gas., Inc., case pending before the commission. The case hinges on the arbitrarily fixed weight of 6.6 pounds per gallon of gasoline which has been used by railroads as a basis for determining rates on shipments of gasoline. Shippers contend that improved methods of refining have lightened gasoline so that the rates charged are too high, having been fixed before the improvements in refining processes.

Ohio Oil's Anniversary Booklet

"Five Eventful Decades; A History of the Ohio Oil Company, 1887-1937," is the title of a splendidly illustrated booklet of 56 pages, issued on the occasion of the fiftieth anniversary of the company's start. The book tells in concise and readable style the history of the oil industry from the days of Drake, the drilling of the first oil well in Ohio in 1860, and the organization of the Ohio Oil Company in 1887, when W. H. Mandeville, J. R. Leonard, C. G. Coss, James McCormick, Samuel M. Jones and J. C. Lineman, with several others, pooled their resources and formed the company. The story of the company's development along with the industry is brought down to the present day.

N.M. Oil Land Bids Received

WASHINGTON, July 6, 1937.

A price of $176 per acre, or $28,160 for the entire 160 acres offered for sale, was the high bid at the auction of oil and gas land leases in the Jackson field in New Mexico, held in Las Cruces, June 25. William A. Hudson was the high bidder. The sale was held by the Register of the Land Office at Las Cruces, and the bids are subject to review and approval by the Secretary of the Interior.

L. E. Pritchard, vice-president of the American Chicle Company, has been elected a director of the American Writing Paper Company.

Oil Well Supply Co. Has 75th Anniversary

The Oil Well Supply Company, Oil City, Pa., has just celebrated its seventy-fifth year in business, the anniversary being accompanied by a general memorial to John Eaton, founder of the company, who went into the oil business in 1861, just two years after the Drake well was opened, the first well drilled for the sole purpose of obtaining petroleum. Two of Mr. Eaton's early associates, and who had served with him and the company for many years—George Reed, and Kenton Chickering—were also featured in the anniversary.

Up to the time of his death in 1911, Mr. Eaton had been in the oil business for fifty years, and had seen his company grow from a small store room into an industrial giant with offices and branches in 107 cities in 17 States and 9 foreign countries.

Two features which Mr. Eaton established years ago were carried on in the same spirit with which they were started—the annual picnic, participated in by more than 4,000 persons, shipmen, office workers, officials and their families; and the annual shop night for the men and their sons, attended by 1,200 persons who saw eight of their fellow workers receive pins emblematic of 25 years or more service with the company, and one receive a 50-year pin.

Gulf Oil Men Fight Trial

William V. Hartmann, vice-president of the Gulf Oil Corporation, started action in Pittsburgh July 8 to prevent the removal of himself and three other Gulf officials to Madison, Wis., for trial on charges of conspiring to fix gasoline prices. Former Senator David A. Reed, counsel for Hartmann, argued before a United States Commissioner that the Federal Court in Wisconsin did not have jurisdiction. The commissioner said he would probably hand down a decision within a week.

Petroleum Freights Reduced

The New York Public Service Commission has approved new commodity freight rates as follows:—

Of the Pennsylvania railroad, on petroleum and petroleum products; tankcars, from Olean, Irvine Mills, and Limestone, numerous changes making reductions; effective June 12.

Obituaries

A. B. Clawson

Arthur B. Clawson, physiologist in charge of stock-poisoning plant investigation of the Bureau of Animal Industry, United States Department of Agriculture, died in his home in Washington June 30 of cerebral thrombosis after an illness of several months. He was fifty-nine years old.

Mr. Clawson was a native of Wisconsin and a graduate of the University of Michigan. He became an instructor of biology at Lake Forest University, Lake Forest, Ill., and joined the Department of Agriculture in 1907. He was considered the best informed authority in the United States on the subject of stock-poisoning plants. He was author and co-author of numerous Government publications and special articles.

Emil Ebner

Emil Ebner, manager of the varnish making department of the Perfection Paint & Color Company, Indianapolis, Ind., died June 29 in his home in that city. Mr. Ebner had been engaged in the manufacture of varnish for more than 50 years, and had seen the business transform from the old style of varnish making to the new.

Frederick J. Maywald

Frederick J. Maywald, consulting chemist, died July 3, in his home in Rutherford, N. J., after an illness of a few days. He was sixty-seven years old. A native of New York, Mr. Maywald was educated at Cooper Union and Brooklyn Polytechnic Institute. He entered the consulting field in 1888 and did considerable work in explosives and the rubber chemistry. He also figured in the early development of the Florida phosphate rock mines. He was a member of the Municipal Explosives Committee of the City of New York and was its chairman in 1910. He was also the first secretary of the rubber section of the American Chemical Society. Mr. Maywald held memberships in the Electrochemical Society, American Microscopical Society, American Society for Testing Materials, Cooper Union Chemical Society, and the Masonic order. His wife and two sons survive.

Fertilizer Materials

Quiet Envelopes Entire Market—Price Movements Few and Unimportant—Potash Slow Following Recent Expiration Of Maximum Discount Period

The market for agricultural chemicals was very quiet last week. There was an absence of purchasing interest in almost every commodity. The trade seemed satisfied with the commitments already made on mineral ammoniates, phophates and potash materials, and organic materials were of very little attraction to the buyers.

The week's price movements were few and generally unimportant. Changes in quotations were confined wholly to the organics and were mainly in a downward direction. Blood, tankage, hoof meal and bone products were lower in price.

The potash market was very quiet following the expiration of the period for the allowance of maximum discounts and sellers of potash salts were now engaged in preparations for deliveries of orders taken prior to the first of the month.

The week's business in nitrate of soda was described as having been modest. As in the case of sulphate of ammonia, quite a bit of material was taken in during June at last season's price levels.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Bone, raw, 4½ & 50, dom., Atl. ports, 50c. per ton.

Reduced

Blood, dom, Chicago, N. Y., 15c. per unit
Bone, meal, 1 & 65-70, import, $1 per ton.
3 & 50, import, 50c. per ton.
Calcium phosphate, dibasic, precip., 1c. per unit.
Hoof meal, Chicago, 10c. per unit.
Tankage, fert. grade, Chicago, 25c. per unit-ton.

Comparative Values

Index numbers compiled from four typical fertilizer materials on the basis of a normal of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
66.0	66.0	64.0	62.9

Market news that may have developed after this report was sent to press will be found on page 4.

Ammoniates

Nitrate of Soda.—As reported a week ago, sellers were now taking orders for bagged material for July delivery. The prices for delivery this month were $27.80 per ton for 200-pound bags and $28.50 per ton for 100-pound bags. Material in bulk was offered for July-October delivery at $26.50 per ton. Branded grades of material in bulk were now guaranteed 16.25 percent nitrogen instead of 16 percent which was the former guarantee. There has been no change in the nitrogen guarantee on material in bags and while it is the same nitrate as that sold in bulk, the producers could not register fractional guarantees in certain states.

Sulphate of Ammonia.—Bookings of new contracts have dropped off within the past few days and the market was described by sellers as having been very quiet. Of course, production has decreased markedly as a result of the strikes and labor difficulties in the steel industry.

Dried Blood.—Domestic prices moved lower during the week. The New York market was off to $3.35 per unit, a decline of 15c. per unit from the preceding week's quotation; Chicago prices were down to $3.10 per unit, also 15c. per unit off from the market quotation of a week ago. August shipment of foreign material remained quoted at $3.60 per unit, the price established a week ago.

Fish Scrap.—The possibility of labor trouble among the menhaden fishermen in the Chesapeake district was a formal point for interest last week. What was claimed to have been a majority of the fishermen were reported to have "signed up" with a C.I.O. local. Fishing was poor because of weather conditions. There have been no sales of unground scrap in recent weeks and the price was purely nominal at $4 and 10c. per unit-ton, f.o.b. factories. Acid scrap was reported available at some East Coast factories at $3 and 50 per unit-ton. Japanese sardine meal was a very quiet commodity last week and prices were unchanged at $47 per ton for shipment from abroad, basis c.i.f., and, $49.50 per ton, the latest sale figure, for nearby arrival.

Hoof Meal.—The market in Chicago was easier with $3.40 per unit quoted, a reduction of 10c. from the figure mentioned earlier. Imported material is available at $3.40 per unit, c.i.f.

Nitrogenous Material. — This commodity has also lacked trading interest during recent weeks. The prices for foreign and domestic material were without change.

Tankage.—Fertilizer grade material declined in Chicago to $3 and 10c. per unit-ton, a decrease of 25c. per unit-ton from the asked price a week ago. This price movement placed the fertilizer grade at a price parity with the feeding grade. There was no trading life in the New York market and quotations were unchanged at $3.50 and 10c. per unit-ton for either ground or unground.

Potashes

The market was very quiet following the expiration of the booking period for the allowance of maximum discounts. As reported previously, it was believed that the bookings were in excess of those at last season's maximum discounts. Sellers were now engaged in preparations for delivery of the orders taken prior to the first of the month and virtually no new bookings were expected for some weeks ahead. Orders placed up to and including September 30 for delivery at the buyer's plant from October 1 to January 31, were subject to 5 percent discount. After October 1, prices are at list.

French potash exports during 1936-1937 totaled 196,000 metric tons, compared with 172,000 metric tons in the previous fertilizer year and 190,000 metric tons in the 1934-1935 season, according to the Department of Commerce.

Phosphates

Foreign bone products were a little cheaper last week, but the lower prices did not attract much buying interest. Superphosphate was also rather quiet but continued strong.

Bone Materials. — Imported 1 and 65-70 steamed bone was reduced $1 per ton last week to the basis of $24 per ton c.i.f. The price for imported 3 and 50 meal in 100-pound bags was also reduced, with quotations at $27 per ton or 50c. per ton cheaper than a week ago. Domestic material for delivery to Atlantic ports was named at $36.50 per ton, an increase of 50c. per ton over the preceding week.

Phosphate Rock.—Deliveries against contracts have been good. Domestic prices continued at a low point and according to the feeling around the selling market there were no indications of a nearby change from the current position of the market.

Superphosphate. — The market has slowed down somewhat, but this was regarded as a temporary condition and things looked just as strong as they have been in recent weeks. Baltimore manufacturers were short of acid supplies.

Sulphur and Pyrites

Crude sulphur was moving out of the production points in fairly good volume now. Usual Summer deliveries to the paper manufacturers in the Northwest and the Canadian border area gave the market an appearance of activity. Acid manufacturers along the Atlantic seaboard were producing at capacity limits and taking substantial quantities of sulphur.

Markets at Other Centers

Atlanta, July 7.—Prices of superphosphate for the South have been announced as 57½c. per unit run-of-pile and $9.60 per ton, 16 percent basis, at interior basic points. Market interest in superphosphate is lacking at present.

Following the bookings of potash, prior to lowered discounts July 1, and some sales of sulphate of ammonia, because of the steel strike, the Southern market is reported dull.

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7

The trade is watching the organic ammoniate situation looking to Summer purchase for making base goods.

Quotations are as follows:—

SUPERPHOSPHATE.—$9.60 ton, interior producing points.

NITRATE OF SODA.—Bulk, $26.50 port basis; bagged, $27.50.

SULPHATE OF AMMONIA. — $28.50 to $29.50 per ton, port basis.

COTTONSEED MEAL.—7 percent grade, $38 ton, interior mills.

NITROGENOUS. — Imported $3.50 per unit, port basis; domestic, Midwest, $3.15 to $3.25.

BLOOD.—$3.25 per unit, Chicago.

TANKAGE.—$3.25 and 10, Chicago; So. Am. $3.70, port basis.

FISH.—Japanese meal—$47 per ton, port basis.

BONE.—Imported, 4½ and 50 at $35 per ton, ports.

Baltimore, July 9.—Quiet continued in the market for crude fertilizer materials. Fertilizer manufacturers here sent out their new prices as of July 1 at list advances of 50c. to $1.50 per ton.

FISH SCRAP.—The price of unground was still $4 and 10c. per unit-ton, at factory. There is a prospect that a majority of the men engaged on the fishing boats may go out on a strike. According to information from the lower Chesapeake Bay 1,500 of the 2,500 men employed have been brought into relationship with the C.I.O. Fishing has been below the hauls made last year at this time mainly because of winds and rain. Domestic menhaden meal is still at $58. Reports from Florida were to the effect that the steamers there are working on contracts, with the hauls fairly good.

TANKAGE.—$3.50 and 10c. per unit-ton, c.a.f. basis Baltimore.

BLOOD.—$3.60 per unit-ton, c.a.f. Baltimore.

SUPERPHOSPHATE. — Quotations remained at $8 per ton for run of pile and at $8.50 per ton for 16 percent milled and screened stocks.

GARBAGE TANKAGE. — $9 per ton at shipping point, or around $13 Baltimore.

BONE.—$29 per ton for 4½ and 60 ground raw and $25 to $26 per ton for 3 and 50 ground steamed stocks.

Chicago, July 9.—Buying remained quiet. The price changes were not reaching the extent of important modifications. Blood was rather stable, with little change; tankage was bought in fair quantities. Bone materials are being taken in moderate lots, with little change, and with a fairly stable tone observed for the most part.

BLOOD.—Principal grade, $3.10 to $3.25 per unit of ammonia.

TANKAGE.—High grade, $3.20 to $3.30 and 10c.; low grade, $23 to $24; liquid stick, $2.30 to $2.40; hoof meal, $3.60 to $3.70.

BONE MATERIALS. — Ground, steamed bone, 1¼ and 60 percent, $23 and $24; 3 and 50 percent, $25 to $27; 4½ and 50 percent, $29 to $30; grinding hoofs, pigs' toes and waste horn materials, $24 to $26; junk and hotel kitchen bones, $23 to $25; cattle jaws, skulls and knuckles, $34 to $35; pork cracklings, soft pressed, $50 to $55; beef cracklings, soft pressed, $40 to $50; hard pressed cracklings, per unit of protein, 70c. to 75c.

San Francisco, July 7.—With organic materials on the easy side and demand in these, notably tankage and fish meal mostly lacking, business in general in the fertilizer trade was not particularly active during the past week. There remains however, a certain amount of interest in the market for chemicals and some forward contracting on a routine basis is evidently taking place. One of the features of the week was an announcement of a $1 increase in the nitrate of soda schedule, preceded by some buying which, however, was not particularly large. Tankage was spotty and it is hard to find buyers, who are looking at the matter only from a price standpoint and who can evidently overlook

Smalley Represents U.S. In Grassland Conference

H. R. Smalley, chief agronomist for the National Fertilizer Association, sailed from this city July 7 to attend the Fourth International Grassland Congress, which will be held in Aberystwyth, Wales, July 14 to 18. Mr. Smalley will represent the National Fertilizer Association and is also one of the delegates appointed by the Department of State to represent the United States at this congress.

It is expected that several hundred pasture specialists from all parts of the world will attend this congress and that opportunity will be afforded for an exchange of information that will be helpful to the farmers of many countries. About fifty scientists from the United States will attend.

DOMESTIC
SULPHATE OF AMMONIA
AND AMMONIA LIQUOR
THE Barrett COMPANY — 40 RECTOR STREET, NEW YORK

Natural Nitrate of Soda
Natural Potash Nitrate
Natural Iodine
CHILEAN NITRATE SALES CORPORATION
120 BROADWAY, NEW YORK, N. Y.

SUNSHINE STATE POTASH
A PRODUCT OF NEW MEXICO U.S.A.
REG. U. S. PAT. OFF.
MURIATE OF POTASH 62/63% K_2O, ALSO 50% K_2O
MANURE SALTS APPROXIMATELY 30% K_2O
UNITED STATES POTASH COMPANY, INC.
30 Rockefeller Plaza, New York, N. Y.

offers unless they are very low. Resale Japanese fish meal was available pretty cheap. So far the trade hasn't shown much interest in forward bookings of California meal.

Ruling prices were:—

NITRATE OF SODA. — 100-pound bags, $28 per ton; 200-pound bags, $28.30 per ton. Bulk lots, $27 per ton, all ex vessel San Francisco-Oakland.

SULPHATE OF AMMONIA. — Quoted at $31.50 per ton, f.o.b. cars in 100-pound bags, San Francisco and Los Angeles harbor and $32.50 per ton, delivered inland California points, excepting Imperial Valley and San Diego county. Latter points, $33.50 per ton. Prices in effect for delivery to end of June, 1938.

AMMONIA PHOSPHATE. — Quoted at $41 per ton, single bags; $41.50 per ton, paper-lined bags, f.o.b. cars, San Francisco; basis 16 percent N., 20 percent P. A. Inland points, delivered, $1 per ton extra.

SUPERPHOSPHATE. — Domestic quoted at 75c. to 80c. per unit in bulk, f.o.b. San Francisco and Los Angeles harbor. Bags, 85c. to 90c. per unit. Foreign material, nominally quoted at 90c. per unit in bags, c.i.f. Pacific Coast ports.

FISH MEAL. — California sardine meal is quoted on the spot at $44 per ton, prompt shipment, f.o.b. cars, San Francisco-Monterey. New season material is quoted at $42.50 per ton, same basis, for future shipment. Japanese sardine meal, fertilizer grade, quoted on the spot, San Francisco, at $34 to $35 per ton, resale. Offers on future shipment, $39. Japanese machine dried meal quoted at $45 per ton, ex dock, San Francisco, July-August shipment from the Orient.

TANKAGE.—Local packing house tankage, ground, fertilizer grade, quoted at $3.35 and 10c. per unit-ton, nominally, f.o.b. cars, Los Angeles. Dry rendered, ground, quoted nominally at 82c. per unit of protein, f.o.b. cars, San Francisco. Unground, dry rendered, quoted at 67½c.

BONE MEAL.—Domestic, steamed, quoted, according to seller and quantity, at $25 to $32 per ton, delivered Pacific Coast ports.

BLOOD MEAL. — Domestic quoted at $3.30 per unit, nominally, f.o.b. cars, Los Angeles.

German Potash Salts Run to Higher Grades

The German potash mines produced 11,673,000 tons of potash salts during 1935, a gain of 21.4 percent over 1934. The average K_2O content of the run-of-mine output was 13.7 percent, according to information received by the Department of Commerce from the consulate-general at Frankfort-on-Main.

The production of marketable potash salts was 13 percent higher than in 1934. The proportions of the several products underwent a pronounced shift in favor of the more highly concentrated and therefore more valuable salts. Whereas, in 1934 the salts with less than 20 percent K_2O still made up more than a half of the total production, their proportion decreased in 1935 to 48.3 percent of the total, actually to 2,274,000 tons. The corresponding gains in output were almost entirely on the part of 40 percent manure salts.

Of the total K_2O content of the marketable output, which was 1,395,000 tons K_2O, carnallite and crude salts with 12 to 15 percent K_2O and manure salts with 18 to 22 percent K_2O made up together only 23.5 percent. Manure salts containing 38 to 42 percent K_2O accounted for 48.4 percent of the total; muriate of potash with 50 to 60 percent K_2O, for 13.3 percent of the total; and the sulphate, for 7 percent of the total.

German potash exports during 1935 totaled 1,056,000 metric tons or 6 percent more than in 1934. Manure salts constituted 38 percent of the total exports. These salts showed a decline of roughly 100,000 tons against the preceding year. On the other hand, export sales of muriate and sulphate advanced 50 percent, from 297,000 tons in 1934 to 447,000 tons in 1935. The combined effect of greater volume and shift toward higher priced products was to elevate the total value of exports from 39,500,000 marks in 1934 to 43,900,000 marks in 1935, an increase of 11.2 percent.

The production of potash by-products (kieserite, epsom salt, chloride of magnesia, glauber's salt, bromine) amounted in 1935 to 518,000 tons, 39 percent more than in 1934. The value of this production was 11,100,000 marks.

Trade News Briefs

Sherwin-Williams Company of Canada has awarded a contract to the Foundation Company of Canada for the construction of a linseed oil mill in Montreal. The new plant is to cost about $300,000.

Margarin taxing in every country was asked by a resolution adopted at the recent International Agricultural Congress in The Hague. Prohibition of the use of margarin in certain cases was also requested.

American Mineral Spirits Company, this city, has acquired from the Durcham Navigation Company, Mobile, Ala., a 7,000-ton freighter to convert into a tanker for the coastwise oil trade. The reconditioning is to cost approximately $500,000.

Synthetic organic chemical manufacturers of Australia have been listed by the Chemical Division of the Bureau of Foreign and Domestic Commerce, Washington. Copies of the list are available under the usual conditions at 10 cents each.

Roxalin Flexible Lacquer Company, Elizabeth, N. J., has just issued two new product summaries covering "Blue Knight Leaflex No. 5900" and "Blue Knight Blax," and giving the properties of these cellulose type, air-drying, flexible lacquer enamels. The first is for low-cost finishing. The second is available in three lusters; does not chip, flake or peel; stands blanking and forming, and comes ready to spray.

Tydings Bill Action In Senate May Lag

(Continued from page 3)

Chairman King of the District committee has filed a minority report on the tax bill, opposing the Tydings amendment on the ground that it is improper procedure to attach a legislative bill of national scope to a local tax measure, particularly since the Tydings bill is already on the senate calendar.

Senator Tydings has introduced an amendment to the bill specifically stating that it does not legalize "horizontal" price-fixing contracts between competing manufacturers, wholesalers, or retailers.

Aluminum Company Re-opens Alcoa Plant After Battle

The Aluminum Company of America reopened on July 7 its plant in Alcoa, Tenn., which had been closed down by a strike since May 18. In a pitched battle between strikers and guards, two men were killed and 28 wounded. The strikers had demanded an increase from 45 cents to 60 cents an hour, but they returned to work at the old scale.

Governor Gordon Browning, in response to a request from the Aluminum Workers Union, sought the reaction of A. D. Huddleston, regional manager for the company, as to the appointment of a board of arbitration. Mr. Huddleston said the company's wage scale "is higher in relation to Tennessee living conditions than that paid workers at the Pittsburgh plant," and he did not believe the company had anything to arbitrate. More than 200 State troopers remained on duty, but Adjutant General R. O. Smith expressed the belief there would be no further trouble.

At Massena, N. Y., the Massena Aluminum Workers Union, an American Federation of Labor affiliate, reported plans to picket the Aluminum Company plant at that place against non-union workers.

Whale Oil Excise Tax Evasion Is Alleged

(Continued from page 3)

ert L. Doughton of the joint committee for opportunity to present the facts he has secured. He has also asked the committee to call the owners of the "Frango" before the committee to testify whether or not that ship is actually owned by Americans or Norwegians, and as to the ownership, registry and nationality of the crews of the killer ships, which actually fish for, and catch, and kill the whales. He says:—

The oil brought to the United States from the ship "Frango," as nearly as we can learn, is made from whales, every one of which was fished for, caught, and killed by Norwegian crews of Norwegian killer ships. The "Frango" is a floating rendering plant, and can no more catch and kill whale than an ocean liner. We believe that the fishing for whales by Norwegian killer ships, even if the oil is rendered on an American ship, makes this a foreign and not an American fishery.

It is not likely that the joint committee will go into this aspect of alleged tax avoidance at this time. Customs officials are understood to be satisfied that the claim for exemption from the excise tax was valid.

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Shipping Information

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Imports at U.S. Ports

New York Imports

ACID, BUTYRIC—1 cs, Charles Happel, St Louis, Hamburg
COTTONSEED OIL—106 bbls, I R Boody & Co, Cavallo, Hull
106 bbls, Cavallo, Hull
CRESYLIC—10 dms, Monsanto Chem Co, Samaria, Liverpool
99 dms, Cameronia, Glasgow
PHOSPHORIC—1 bbl, Roepke & Otto, American Banker, London
STEARIC—250 bgs, M J Corbett & Co, Veendam, Rotterdam
TARTARIC, ETHYLESTER—2 cs, Carbic Color & Chem Co, Europa, Bremen
ADEPS LAMAE—1 dm, Yardley & Co, American Banker, London
ALUMINUM LEAF—162 cs, Rohner, Gehrig & Co, Europa, Bremen
92 cs, F P Gaskell & Co, Pennland, Antwerp
POWDER—135 dms, T D Downing & Co, Hansa, Hamburg
ALUMINUM & BRONZE POWDER—10 cs, St Louis, Hamburg
AMMONIA, SULPHOCYANIDE — 30 kegs, American Cyanamid & Chem Co, Samaria, Liverpool
ANTIMONY ORE—424 bgs, Bank of London, South America, Santa Rita, Arica
400 dms, St Louis, Hamburg
ARCHIL LIQUID—5 cks, Empire Color & Chem Co, Samaria, Liverpool
ARECA NUTS—150 bgs, Mapia, Padang
ARSENIC, BLACK—93 bbls, American Smelting & Refg Co, Cauto, Tampico
RED—50 cks, American Cyanamid & Chem Co, Hansa, Hamburg
WHITE—696 bbls, American Smelting & Refg Co, Heingar, Tampico
ARTIST'S MATERIAL—6 cs, Winsor & Newton, American Banker, London
ASBESTOS — 2,193 bgs, Johns Manville Corp, Robin Hood, Capetown
15 bgs, Exeter, Genoa
BABASSU KERNELS — 3,668 bgs, General Foods Corp, Basel, Parnahyba
BANANA POWDER—60 bgs, Sanib Corp, Platano, Puerto Cortez
BARBASCO — 4 bls, Astoria Import & Mfg Co, Basel, Iquitos
154 bls, Basel, Iquitos
BARYTES — 100 bgs, Europa, Bremen
100 bgs, St Louis, Bremen
BLUE, BLEACHERS—5 bbls, A De Ronde & Co, Samaria, Liverpool
BRISTLES—3 cs, M Broverman & Son, Georgic, London
4 pkgs, Queen Mary, Southampton
43 cs, Tradesmen National Bank, Tai Ping, Tsingtao
28 cs, N Wagman & Co, Tai Ping, Tsingtao
25 cs, Chesnut, Cooper & Co, Tai Ping, Hankow
50 cs, M R Ziegler, Tai Ping, Chuncking
270 cs, F H Cone & Co, Tai Ping, Chuncking
54 cs, F H Cone & Co, Tai Ping, Tsingtao
4 cs, National City Bank, Tai Ping, Kobe
55 cs, F H Cone & Co, Tai Ping, Murden
9 bbls, 11 cs, Draeger Shipping Co, Veendam, Rotterdam
55 cs, National City Bank, American Banker, London
12 cs, Chesnut, Cooper & Co, American Banker, London
4 cs, Philadelphia National Bank, American Banker, London
64 cs, American Banker, London
BRONZE POWDER—2 dms, T D Downing & Co, Hansa, Hamburg
5 cs, Hamilton Forwarding Co, Europa, Bremen
CADMIUM, METAL—20 cs, Metals Traders, Inc, Pennland, Antwerp
CALCIUM, TARTRATE — 370 bgs, American Banker, London
CANARY SEED—986 bgs, A G Dunn, Western World, Buenos Aires
245 bgs, Western World, Buenos Aires
CANTHARIDES — 15 cs, Tai Ping Canton
CARAWAY SEED—100 bgs, 11,000 lbs, M Witsenburg, Veendam, Rotterdam
200 bgs, 22,000 lbs, R L Friedler, Veendam, Rotterdam
CARDAMOM—2 cs, J L Hopkins & Co, American Banker, London
CASEIN—167 bgs, American Cyanamid & Chem Co, Western World, Buenos Aires
200 bgs, A Hurst & Co, Ile de France, Havre
CASHEW SHELL LIQUID—50 bbls, 115 dms, City of Durban, Calicut
CASSIA—146 pkgs, H P Winter & Co, Mapia, Padang
53 bls, Mapia, Padang
ROLLS—16 bls, Wood & Selick, Tai Ping, Hongkong
VERA—80 bls, G L Curtin, Mapia, Padang
CASTOR BEANS—850 bgs, A G Lever & Co, Basil, Bahia
1,680 bgs, Wessel, Duval & Co, Basil, Bahia
3,340 bgs, Spencer Kellogg & Sons, Basil, Bahia
2,850 bgs, Baker Castor Oil Co, Basil, Bahia
CELERY SEED—25 bls, I Harrison & Whitney, Exeter, Marseilles
CHEMICALS—3 cs, American Cyanamid & Chemical Co, Hansa, Hamburg
10 dms, 20 cks, Cuno Sievers, Hansa, Hamburg
8 cks, Robinson, Wagner Co, Hansa, Hamburg
19 bbls, National City Bank, Hansa, Hamburg
20 cks, E I Du Pont de Nemours & Co, Hansa, Hamburg
2 cs, Riedel de Haen, Hansa, Hamburg
250 bgs, 10 cs, 70 dms, Hansa, Hamburg
1 cs, E Bilhuber, Hansa, Hamburg
10 cs, American Cyanamid & Chemical Co, Hansa, Hamburg
490 bgs, Sherka Chemical Co, Hansa, Hamburg
3 cs, 1 bbl, P C Kuyper & Co, Hansa, Hamburg
2 pkgs, F Doherty, Champlain, Havre
6 cs, Elmer & Amend, President Roosevelt, Hamburg
7 cs, Europa, Bremen
18 dms, 10 cs, Michel Export Co, Veendam, Rotterdam
1 cs, General Aniline Works, Veendam, Rotterdam
3 cks, Advance Solvents & Chemical Co, Veendam, Rotterdam
9 cks, A Hurst & Co, Veendam, Rotterdam
5 cks, 8 cs, Veendam, Rotterdam
224 bgs, Robinson, Wagner Co, Veendam, Rotterdam
20 cks, 10 bbls, 2 dms, 2 bgs, 10 cs, Jungmann & Co, St Louis, Hamburg
37 bbls, Philip Bauer Co, Baghdad, Hamburg
CHEMICALS—39 bbls, Baghdad, Hamburg
3 cs, 1 ck, Elmer & Amend, Baghdad, Hamburg
CHINA CLAY—4 cs, Yardley & Co, American Banker, London
26 cks, E Fougera & Co, American Banker, London
CINCHONA PRODUCTS—4 cs, R W Greeff & Co, Veendam, Rotterdam
CLAY—750 bgs, L A Salomon & Bros, President Roosevelt, Hamburg
24 cs, Baghdad, Hamburg
COALTAR INTERMEDIATES—1 ck, General Dyestuff Corp, Hansa, Hamburg
5 cks, Sandoz Chem Works, Europa, Bremen
15 cks, 3 dms, General Dyestuff Corp, Europa, Bremen
76 cks, General Aniline Works, Veendam, Rotterdam
81 dms, 52 cks, General Dyestuff Corp, Veendam, Rotterdam
1 dm, L & R Organic Prod Co, Samaria, Liverpool
5 cs, General Aniline Works, St Louis, Hamburg
PRODUCTS—32 cs, Allondon S A, Hansa, Hamburg
COCOA BEANS—200 bgs, Wessel, Duval & Co, Carabobo, Puerto Cabello
250 bgs, Carabobo, Puerto Cabello
71 bgs, Mecke & Co, Luna, Maracaibo
250 bgs, Royal Bank of Canada, Luna, Puerto Cabello
150 bgs, Luna, Puerto Cabello
223 bgs, Struller & Wood, Luna, Petit Goave
900 bgs, Machado & Co, Tachira, La Guaira
300 bgs, Curacao Trading Co, Borinquen, San Juan
5,000 bgs, Nieschlag & Co, Basil, Bahia
23 bgs, Daggett Chocolate Co, Angelina, San Juan
5,440 bgs, Balfour, Guthrie & Co, Egba, Addah
14,400 lbs, Balfour, Guthrie & Co, Egba, Accra
960 bgs, Balfour, Guthrie & Co, Egba, Takoradi
250 bgs, Pablo Calvet & Co, Cristobal, Cristobal
1,902 bgs, Wessel, Kulenkampf & Co, Almena, Trujillo
4,000 bgs, Curacao Trading Co, Almena, Sanchez
500 bgs, Wessel, Kulenkampf & Co, Almena, Sanchez
985 bgs, Gillespie & Co, Almena, Sanchez
2,244 bgs, Machado & Co, Almena, Sanchez
900 bgs, National City Bank, Almena, Puerto Plata
793 bgs, Porcella, Vicini & Co, Almena, Puerto Plata
500 bgs, Curacao Trading Co, Almena, Puerto Plata
250 bgs, Royal Bank of Canada, Almena, Puerto Plata
806 bgs, St Louis, Hamburg
1,535 bgs, Fruit Despatch Co, Calamares, Cristobal
137 bgs, Calamares, Cristobal
2,120 bgs, W & A Leaman, New Brooklyn, Warri
3,240 bgs, United Africa Co, New Brooklyn, Koko
44 bgs, Daggett Chocolate Co, Rosario, San Juan
COCONUTS—1,523 bgs, 152,300 lbs, General Food Corp, Pastores, Kingston
33 bgs, 3,300 lbs, J E Garcia, Boringuen, San Juan
35 bgs, 35,000 lbs, West Indies Prod Co, Borinquen, San Juan
225 bgs, 22,500 lbs, A S Pagan, Mayaguez
41 bgs, 4,100 lbs, I L Toledano Corp, Angelina, San Juan
1,167 bgs, 116,700 lbs, General Food Corp, Angelina, San Juan
1,000 bgs, 100,000 lbs, I L Toledano Corp, Cristobal, Cristobal
643 bgs, 64,300 lbs, General Foods Corp, Rosario, Mayaguez
29 bgs, 2,900 lbs, I L Toledano Corp, Rosario, Mayaguez
40 bgs, 4,000 lbs, I L Toledano Corp, Rosario, San Juan
566 bgs, 56,600 lbs, General Foods Corp, Rosario, San Juan
COCONUT DESIC—1,000 cs, J E Lowden, Tai Ping, Manila
2,600 cs, Balfour, Guthrie & Co, Tai Ping, Manila
2,050 cs, Durkee Famous Food, Tai Ping, Manila
500 cs, Dodwell & Co, Tai Ping, Manila
CODLIVER MEAL—560 bgs, Consumers Import Co, Tai Ping, Yokohama
COLOCYNTH—135 bls, J H Rossback & Co, City of Durban, Port Sudan
COLORS—3 cks, Stanley Doggett, Champlain, Havre
5 pkgs, Fulton Dye & Import Co, Champlain, Havre
CERAMIC—3 cs, B F Drakenfeld & Co, Samaria, Liverpool
DRY—40 cks, C J Osborn & Co, Veendam, Rotterdam
1 dm, 1 cs, Gallagher & Ascher, Veendam, Rotterdam
EARTH—2 cks, Globe Shipping Co, Europa, Bremen
PIGMENT—18 jugs, General Dyestuff Corp, Veendam, Rotterdam
COPAIBA BALSAM—64 cs, G Uhe Co, Basil, Manaos
30 cs, G Uhe Co, Basil Manaos
COPPER RESIDUE—693 bgs, Cavallo, Newcastle
CORK—132 bales, Champlain, Havre
16 bales, Cork Import Corp, Queen Mary, Southampton
20 bales, A Schreier Co, Ile de France, Havre
WASTE—50 bales, Henry Suhl, Belvedere, Algiers
WOOD—281 bales, Wicander & Co, Belvedere, Algiers
180 bales, Henry Suhl, Belvedere, Algiers
CRESOL—23 kegs, Monsanto Chem Co, Samaria, Liverpool
CUDBEAR—2 cks, Chemical Bank & Trust Co, Samaria, Liverpool
CURICURY NUTS—1,850 bgs, General Food Corp, Basil, Bahia
CUTTLEFISH BONES—79 cs, American Cuttlefish Bone Co, Vulcania, Trieste
9 straps, Vulcania, Trieste
80 cs, Frank Vliet Co, Vulcania, Trieste
DRUGS, CRUDE—10 cs, R D Hines, Hansa, Hamburg
DYES, ALIZARIN—15 dms, 7 jugs, 17 cks, General Dyestuff Corp, Veendam, Rotterdam
ANILIN—26 cks, General Dyestuff Corp, Hansa, Hamburg
DYES, ANILIN—14 kgs, L & R Organic Prod Co, Berengaria, Southampton
3 kgs, 15 cans, Carbic Color & Chem Co, Europa, Bremen
22 cks, Geigy Co, Europa, Bremen
15 dms, Sandoz Chem Works, Europa, Bremen
19 cks, 1 cs, General Dyestuff Corp, Europa, Bremen
1 cs, 39 dms, 103 cks, General Dyestuff Corp, Veendam, Rotterdam
6 cks, Geigy Co, Samaria, Liverpool
5 kgs, L & R Organic Prod Co, Samaria, Liverpool
79 bbls, Ciba Co, Ile de France, Havre
DYESTUFF—10 kgs, Tai Ping, Kobe
EGG YOLK—56 cs, Melchers, Inc, Tai Ping, Shanghai
FROZEN—3,571 cs, Carl Ahlers, Tai Ping, Shanghai
EPSOM SALT—150 bgs, Innis, Speiden & Co, St Louis, Bremen
FAT, VEGETABLE—3 kgs, E Fougera & Co, American Banker, London
FENUGREEK SEED—34 bgs, J L Hopkins & Co, Exeter, Alexandria
34 bgs, Peek & Velsor, Exeter, Alexandria
FERROMANGANESE — 125 cks, President Roosevelt, Hamburg
FISH MEAL—2,800 bgs, Consumers Import Co, Tai Ping, Yokohama
FILTER, PAPER—8 cs, H Reeve, Angel & Co, American Banker, London
FLAXSEED—5,665 tons, 226,600 bus, Bunge North American Grain Co, Rena Villa, Constitucion
1,690 tons, 67,600 bus, Bunge North American Grain Co, Rena Villa, La Plata
490 tons, 19,600 bus, Bunge North American Grain Co, Western World, Buenos Aires
1,018 bgs, 2,239 bus, Bunge North American Grain Co, Western World, Buenos Aires
FLEASEED — 150 bgs, S B Penick & Co, Exeter, Marseilles
10 bgs, Exeter, Marseilles
FORMALDEHYDE HYDROSULPHITE — 50 kgs, Philipp Bros, Samaria, Liverpool
FULLER'S EARTH—450 bgs, L A Salomon & Bros, American Banker, London
GELATIN—200 bgs, International Selling Corp, Pennland, Antwerp
10 cs, Pennland, Antwerp
6 bgs, T W Duche & Sons, Samaria, Liverpool
60 cs, Dingelstedt & Co, St Louis, Bremen
GENTIAN ROOT—21 bls, J L Hopkins & Co, Vulcania, Trieste
23 bls, J L Hopkins & Co, Examiner, Marseilles
GINGER ROOT—100 bgs, O Gerdan Co, Pastores, Kingston
6 bgs, D Steengrafe, Angelina, Ponce
10 bgs, D Steengrafe, Angelina, San Juan
14 bgs, D Steengrafe, Rosario, San Juan
GINGERINE—3 cs, Orbis Product Corp, American Banker, London
GLASS, PLATE—8 cs, Globe Shipping Co, Hansa, Hamburg
WINDOW—1,787 cs, Vitrea Co, President Roosevelt, Hamburg
GLUE—139 bgs, Dingelstedt & Co, Hansa, Hamburg
5 cs, Europa, Bremen
126 bgs, R D McLellan, Veendam, Rotterdam
200 bgs, Transatlantic Animal By-Prod Co, Veendam, Rotterdam
320 bgs, T W Duche & Sons, Ile France, Havre
GLUESTOCK—70 bls, Darmstadt, Scott & Courtney, Tai Ping, Kobe
53 bls, Darmstadt, Scott & Courtney, Veendam, Rotteram
GLYCERIN—31 dms, Western World, Buenos Aires
GRAPHITE—135 bgs, Asbury Graphite Mills, Ile de France, Havre
GUM—20 bgs, American Banker, London
ARABIC—20 bgs, Frank Vliet Co, Markhor, Port Sudan
400 bgs, Thurston & Braidich, Markhor, Port Sudan
300 bgs, Innis, Speiden & Co, Markhor, Port Sudan
300 bgs, S B Penick & Co, Markhor, Port Sudan
50 bgs, Markhor, Port Sudan
160 bgs, Egba, Dakar
400 bgs, City of Durban, Port Sudon
200 bgs, St Louis, Hamburg
DAMMAR—150 cs, Mapia, Batavia
200 cs, 100 bgs, Thurston & Braidich, Mapia, Batavia
100 cs, Gillespie-Rogers-Pyatt Co, Mapia, Batavia
210 bgs, Chase National Bank, Mapia, Singapore
LOCUST BEAN — 16 bgs, T M Duche & Sons, Exeter, Genoa
25 bgs, Exeter, Genoa
PERILLA—134 bls, Bank of London South America, Pastores, Puerto Colombia
61 bls, L A Dreyfus Co, Santa Rita, Balboa
TRAGACANTH—4 cs, E Meer & Co, Exeter, Beyrouth
GYPSUM—5,000 tons, U S Gypsum Co, Gypsum Empress, Windsor
10 cks, Queen Mary, Southampton
1,950 tons, National Gypsum Co, Keret, Dingwall
CALCINED—842 bgs, Whittaker, Clark & Daniels, Cavallo, Hull
HENBANE LEAVES—44 pkgs, Exeter, Alexandria
HENNA LEAVES — 21 bls, Markhor, Port Said
HERBS, MEDICINAL—1 bl, Vulcania, Trieste
17 bls, Kachurin Drug Co, Vulcania, Trieste
45 bls, S B Penick & Co, Vulcania, Trieste
HOPS—4 bls, Carl Ullman & Co, Hansa, Hamburg
IPECAC ROOT—5 bgs, N Brandon Co, Quirigua, Pt Limon
IRON ORE—6,000 tons, Bethlehem Steel Co, Mangore, Daiquiri
20 pkgs, Reichard Coulston, Samaria, Liverpool
OXIDE—5 cks, Scott L Libby Corp, Veendam, Rotterdam
26 cks, J Lee Smith & Co, Cavallo, Hull
56 cks, Robinson-Wagner Co, St Louis, Bremen
ISINGLASS—10 cs, American Banker, London
KOLA NUTS — 12 bgs, Pastores, Kingston
18 bgs, J L Hopkins & Co, Hansa, Hamburg
LAUREL LEAVES—100 bls, Vulcania, Trieste
LEATHER WASTE — 612 bls, Georgic, London
LEAVES, MEDICINAL — 63 bgs, R D Hines, Hansa, Hamburg
LICORICE ROOT — 4 bls, J L Hopkins & Co, Vulcania, Trieste
LITHOPONE—600 cks, Benj Moore & Co, Veendam, Rotterdam
LIVER MEAL—454 bgs, H J Baker & Bros, Western World, Buenos Aires
MACE—25 cs, H P Winter & Co, Mapia, Padang
MAGNESIA STEARATE—4 cks, Yardley & Co, American Banker, London
MANGANESE ORE—5,000 tons, Robin Hood, Durban
MANGROVE BARK EXTRACT—4,164 bgs, Philippine Cutch Corp, Tai Ping, Zamboanga
MANIOC MEAL—14 bgs, Mapia, Sourabaya
1,000 bgs, Sino Java Handel, Mapia, Semarang
MARSHMALLOW ROOT—20 bgs, J L Hopkins & Co, Vulcania, Trieste
MATCHES, SAFETY—125 cs, Penniand, Antwerp
MEDICINAL PREPS—15 cs, E Fougera & Co, Champlain, Havre
50 cs, Veendam, Rotterdam
2 cs, Gane Chem Works, Ile de France, Havre
11 cs, G J Wallau, Ile de France, Havre
1 ck, May & Baker, Ile de France, Havre
3 cs, L R Sartorius, Ile de France, Havre
54 cs, Vulcania, Naples
MENTHOL—4 cs, Penniand, Antwerp
METHYLPHENOL—2 dms, Georgic, London
MEZEREON BARK—3 bls, J L Hopkins & Co, Vulcania, Trieste
MICA—44 cs, F D Pitts Co, Western World, Buenos Aires
19 cs, Eugene Munsell & Co, Western World, Rio Janeiro
42 cs, Western World, Rio Janeiro
10 cs, American Banker, London
27 cs, Corn Exchange Bank, American Banker, London
BLOCK—49 cs, Markhor, Calcutta
FILM—11 cs, Markhor, Calcutta
SPLITTINGS—250 cs, General Electric Co, Markhor, Calcutta
28 cs, Markhor, Calcutta
MILK POWDER—300 bgs, Veendam, Rotterdam
35 cs, Nestles Milk Powd Co, Exeter, Marseilles
MINERAL WHITE—400 bgs, Hammill & Gillespie, Cavallo, Hull
MINERALS—592 bgs, Watson, Geach & Co, Western World, Buenos Aires
2,396 bgs, American Metal Co, Western World, Buenos Aires
4,235 bgs, Western World, Buenos Aires
MOLASSES—1,288,373 gls, Standard Brand, Inc, Jenny, Puerto Tarafa
MURU MURU RESIDUE—1,167 bgs, National City Bank, Basil, Para
423 bgs, American Trading Co, Basil, Para
NUTGALLS — 26 bgs, S B Penick & Co, Vulcania, Trieste
NUTMEGS—117 bgs, H P Winter & Co, Mapia, Padang
OCHER—10 cks, Hammill & Gillespie, Exeter, Marseilles
70 cks, J A McNulty, Exeter, Marseilles
77 cks, 1,321 bgs, Reichard-Coulston, Exeter, Marseilles
OIL, BAY—11 cs, D Steengrafe, Rosario, Arroyo
CHINAWOOD—705 tons, Spencer Kellogg & Sons, Tai Ping, Hankow
CINNAMON LEAF—2 dms, Volkart Bros, Markhor, Colombo
3 dms, J H Vavasseur & Co, City of Durban, Colombo
CITRONELLA—19 dms, Mapia, Batavia
5 dms, American Banker, London
COD—114 dms, Hansa, Hamburg
CODLIVER—100 dms, C T Smith & Co, President Roosevelt, Hamburg
84 dms, E R Squibb & Sons, Fort Amherst, St Johns
CORN—106 dms, W A Banto Co, Cavallo, Hull
ESSENTIAL—3 pkgs, Hansa, Hamburg
57 cs, Champlain, Havre
3 cs, Queen Mary, Southampton
2 cs, Europa, Bremen
2 bbls, 24 cs, Veendam, Rotterdam
34 cs, Ile de France, Havre
44 pkgs, Exeter, Marseilles
EUCALYPTUS—10 dms, W J Bush & Co, Tai Ping, Kobe
FUEL — 76,000 bbls, Asiatic Petroleum Corp, Moji, Tampico
92,000 bbls, Standard Oil Co of N J, Thorshov, Aruba
70,000 bbls, Standard Oil Co of N J, Sildra, Aruba
64,761 bbls, Standard Oil Co of N J, Norfolk, Aruba
110,000 bbls, Standard Oil Co of N J, Standard, Aruba
2,787,021 gls, Standard Oil Co of N J, Beth, Puerto Mexico
71,062 bbls, Asiatic Petroleum Corp, San Alvado, Puerto Mexico
60,354 bbls, Shell Union Oil Corp, Royal Arrow, Curacao
85,000 bbls, Standard Oil Co of N J, Baltic, Aruba
GERANIUM — 7 dms, Chase National Bank, Robin Hood, Mombasa
LAVENDER—1 dm, Exeter, Marseilles
2 dms, American Banker, London
LEMONGRASS—16 dms, Volkart Bros, City of Durban, Cochin
32 dms, Dodge & Olcott Co, City of Durban, Cochin
6 dms, City of Durban, Cochin
LUBRICATING—6 dms, Shell Union Oil Corp, Georgic, London
2 dms, Tidewater Assoc Oil Co, Georgic, London
MINERAL—30 dms, Hansa, Hamburg
40 cs, N Y & N J Oil Co, Cameronia, Glasgow
OITICICA—240 dms, Nasmyth, Ceara
OLIVE—60 cs, Belvedere, Bari
17 cs, Belvedere, Palermo
100 dms, Banca Com'l Italian Trust Co, Belvedere, Algiers
31 cs, Conte de Savoia, Genoa
100 cs, Veendam, Rotterdam
11 dms, Vulcania, Trieste
707 cs, Exeter, Leghorn
50 dms, Atlantic & Pacific Tea Co, Exeter, Genoa
25 dms, A Picini, Exeter, Genoa
25 dms, Roma Import Co, Exeter, Genoa
972 cs, Exeter, Genoa
408 cs, Exeter, Marseilles
100 dms, Strohmeyer & Arpe Co, Exeter, Marseilles
25 dms, Banca Com'l Italian Trust Co, Exeter, Marseilles
PALM — 671 tons, Balfour, Guthrie & Co, New Brooklyn, Port Harcourt
26 cks, Balfour, Guthrie & Co, New Brooklyn, Lagos
1,858 dms, New Brooklyn, Lagos
445 tons, Van Leeunan, Boomkamp & Co, Mapia, Belawan
1,082 tons, Guaranty Trust Co, Mapia, Belawan
PEANUT — 1,080,460 kilos, Beemsterdijk, Rotterdam
50 dms, Veendam, Rotterdam
150 dms, Balfour, Guthrie & Co, Veendam, Rotterdam
PINNEEDLE—14 dms, Hansa, Hamburg
POPPYSEED—5 dms, Fezander & Sperrie, Veendam, Rotterdam
ROSEWOOD—16 dms, Givaudan-Delawanna, Basil, Para

OIL, SEAL—34 cks, Browning & Co, Fort Amherst, St John's
OPIUM—35 cs, New York Quinine & Chem Works, Queen Mary, Southampton
PALM KERNEL—2,500 bgs, Barclay Bank, Egba, Port Bouet
5,715 bgs, Barclay Bank, Egba, Popo
3,954 bgs, Barclay Bank, Egba, Anecho
2,010 bgs, Barclay Bank, Egba, Lome
PAPAIN—20 cs, S B Penick & Co, Markhor, Colombo
PAPRIKA—25 bgs, Victory Shipping Co, Hansa, Hamburg
42 bgs, H Schoenfeld & Son, Hansa, Hamburg
150 bgs, Hansa, Hamburg
25 bgs M P Kuezor & Co, President Roosevelt, Hamburg
25 bgs, H S Dorf & Co, President Roosevelt, Hamburg
20 bgs, Schenker & Co, St Louis, Hamburg
495 bgs, St Louis, Hamburg
50 bgs, American Banker, London
PARAFFIN—80 cs, Duke Lab, Veendam, Rotterdam
1,694 bgs, Standard Oil Co of N J, Mapia, Palembang
PEATMOSS—1,005 bales, Premier Peatmoss Corp, Veendam, Rotterdam
2,790 bales, St Louis, Hamburg
610 bales, Premier Peatmoss Corp, Baghdad, Hamburg
2,898 bales, 200 half bales, Baghdad, Hamburg
PETROLEUM, CRUDE—60,000 bbls, Warner-Quinlan Co, Cymbeline, Tampico
PHOSPHORUS, RED—10 cs, C W Campbell & Co, Tai Ping, Kobe
PINENEEDLE EXTRACT—3 cks, Fritzsche Bros, Vulcania, Trieste
PITCH, STEARIN—68 cks, 165 bbls, 426 dms, A V Berner & Co, Cavallo, Hull
110 dms, Leith Mfg Co, Cavallo, Hull
108 dms, S K Ketler, Cavallo, Hull
98 dms, J J Gavin, Cavallo, Hull
POPPYSEED—250 bgs, 27,500 lbs, Levy & Levis Co, Veendam, Rotterdam
200 bgs, 22,000 lbs, M Witsenburg, Veendam, Rotterdam
300 bgs, 33,000 lbs, Veendam, Rotterdam
100 bgs, 11,000 lbs, R L Friedler, Veendam, Rotterdam
POTASH, CAUSTIC—180 dms, American Cyanamid & Chem Co, Hansa, Hamburg
100 dms, American Cyanamid & Chem Co, St Louis, Hamburg
CHLORATE—450 cks, Uniform Chem Prod Co, St Louis, Hamburg
MURIATE—408,516 kilos, N V Potash Export My, President Roosevelt, Hamburg
PYRETHRUM FLOWERS—209 bls, Vulcania, Trieste
EXTRACT—2 cs, Dodwell & Co, Tai Ping, Kobe
QUEBRACHO EXTRACT—6,411 bgs, Tannin Corp, Western World, Buenos Aires
350 bgs, Western World, Buenos Aires
QUICKSILVER—50 flasks, Chase Natl Bank, Yucatan, Vera Cruz
1,000 flasks, Vulcania, Trieste
300 flasks, American Banker, London
RESIN—60 cs, P Bertuch & Co, Basil, Iquitos
57 cs, Basil, Iquitos
1 cs, France, Campbell & Darling, Basil, Ceara
ROOT, MEDICINAL—1 bl, Vulcania, Trieste
51 bls, S B Penick & Co, Vulcania, Trieste
71 bls, Vulcania, Trieste
23 bls, R J Prentiss & Co, Exeter, Marseilles
ROSEMARY LEAVES—13 bls, E E Marks & Co, Vulcania, Dubrovnik
ROSIN—50 cs, Exeter, Piraeus
SAFFRON, AMERICAN—102 bgs, Exeter, Alexandria
SAGE LEAVES—114 bls, E E Marks & Co, Vulcania, Dubrovnik
SALTPETER—454 bgs, St Louis, Bremen
SARSAPARILLA ROOT—25 bls, D A Zorilla, Heimgar, Tampico
9 bls, Heimgar, Tampico
14 bls, J L Hopkins & Co, Heimgar, Tampico
SAWDUST—600 bgs, State Chemical Co, Veendam, Rotterdam
SENNA LEAVES—95 bls, City of Durban, Port Sudan
29 bls, City of Durban, Suez
SHEEP DIP—4 cs, W Cooper & Nephews, Samaria, Liverpool
SHELLAC—100 bgs, E E Androvette, Georgic, London
40 cs, Alfred Kramer & Co, Georgic, London
165 bgs, Wm Zinsser & Co, Georgic, London
30 bgs, A Hurst & Co, Hansa, Hamburg
350 bgs, E E Androvette, Markhor, Calcutta
300 bgs, Alfred Kramer & Co, Markhor, Calcutta
25 cs, 50 bgs, Guaranty Trust Co, Markhor, Calcutta
200 bgs, Manufacturers Trust Co, Markhor, Calcutta
37 bgs, Argenti & Co, Markhor, Calcutta
200 bgs, Philadelphia National Bank, Markhor, Calcutta
839 bgs, Wm Zinsser & Co, Markhor, Calcutta
100 bgs, Markhor, Calcutta
100 bgs, E E Androvette, American Banker, London
60 chests, American Banker, London
GARNET LAC—5 bgs, Wm Zinsser & Co, Georgic, London
50 bgs, Wm Zinsser & Co, Markhor, Calcutta
SEEDLAC—500 bgs, Argenti & Co, Markhor, Calcutta
400 bgs, Guaranty Trust Co, Markhor, Calcutta
250 bgs, Chase National Bank, Markhor, Calcutta
300 bgs, Bank of London South America, Markhor, Calcutta
SIENNA—200 bgs, J Lee Smith & Co, Exeter, Leghorn
50 bgs, 53 bbls, Reichard-Coulston, Exeter, Leghorn
SILICA SCRAPS—8 cks, Lunham & Reeve, Cavallo, Newcastle
SOAP—4 cs, Corn Exchange Bank, Queen Mary, Southampton
235 cs, Conti Product Corp, Exeter, Leghorn
200 cs, J P Smith & Co, Exeter, Marseilles
BASE—36 cs, Yardley & Co, American Banker, London

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SOAP, MILLINGS—4 cs, Yardley & Co, American Banker, London
SHAVING—68 cs, Yardley & Co, American Banker, London
STEARIC ACID—1 cs, Yardley & Co, American Banker, London
STEARIN—10 cs, Yardley & Co, American Banker, London
TOILET—3 cs, Corn Exchange Bank, Queen Mary, Southampton
SODA, CYANIDE—265 dms, 138 cks, C Hardy, Champlain, Havre
300 dms, H H Rosenthal Co, Tai Ping, Yokohama
660 cyls, C Hardy, Ile France, Havre
HYDROSULPHITE — 125 dms, Pennland, Antwerp
25 kegs, Philipp Bros, Samaria, Liverpool
SILICOFLUORIDE—200 bgs, Hummel Chem Co, Hansa, Hamburg
80 bbls, Hummel Chem Co, St Louis, Bremen
SOLVENTS—344 dms, C P Chem Solvents, Angelina, Ponce
500 dms, C P Chem Solvents, Rosario, Ponce
300 dms, A Mersch, Rosario, Arecibo
SPONGES—16 bls, Oriente, Havana
4 bls, American Sponge & Chamois Co, Yucatan, Havana
16 bls, Yucatan, Havana
1 bl, Schroeder & Tremayne, Vulcania, Trieste
11 bls, American Sponge & Chamois Co, Munargo, Nassau
REFUSE—3 bls, American Sponge & Chamois Co, Yucatan, Havana
SQUILL—15 bgs, Belvedere, Bari
STARCH, POTATO—50 bgs, C L Huisking & Co, Veendam, Rotterdam
RICE—30 dms, W W Parson Import & Plymouth Organic Lab, St Louis, Bremen
20 bgs, Yardley & Co, American Banker, London
STEATITE—7 bbls, M Kirchberger & Co, Exeter, Leghorn
STROPHANTHUS SEED—4 cs, J L Hopkins & Co, American Banker, London
SUMAC—280 bgs, Belvedere, Palermo
TALC—20 pkgs, American Trading Co, Tai Ping, Shanghai
275 bgs, L A Salomon & Bros, Ile de France, Havre
28 bbls, Exeter, Leghorn
TALLOW—104 pipes, Guaranty Trust Co, Western World, Buenos Aires
VEGETABLE—45 cs, Th Goldschmidt Corp, Veendam, Rotterdam
TANKAGE—1,000 bgs, Van Iderstein Co, Uruguayo, Buenos Aires
1,814 bgs, Buffalo Meat Product Co, Western World, Montevideo
4,000 bgs, Western World, Buenos Aires
TANNING MATERIAL—2 cks, W J Jones & Co, St Louis, Hamburg
TAPIOCA FLOUR—2,249 bgs, Chase National Bank, Mapia, Batavia
1,040 bgs, Chase National Bank, Mapia, Cheribon
632 bgs, Balfour, Guthrie & Co, Mapia, Pamanoekan
800 bgs, Mapia, Tjilatjap
13,960 bgs, Stein, Hall & Co, Mapia, Sourabaya
1,371 bgs, Stein, Hall & Co, Mapia, Batavia
500 bgs, Bank of Manhattan, Batavia
1,516 bgs, Stein, Hall & Co, Mapia, Cheribon
1,668 bgs, Chase Natl Bank, Mapia, Cheribon
1,980 bgs, Chase Natl Bank, Mapia, Batavia
140 bgs, Chase Natl Bank, Mapia, Tjilatjap
1,100 bgs, Stein, Hall & Co, Mapia, Tjilatjap
550 bgs, Mapia, Tegal
1,002 bgs, Forvent Co, Mapia, Tjilatjap
TARTAR—1,223 bgs, Charles Pfizer & Co, Belvedere, Bari
220 bgs, Charles Pfizer & Co, Veendam, Rotterdam
TIMBO, POWD—95 cs, W R Grace & Co, Basil, Manaos
400 cs, Basil, Para
100 cs, Brown Bros Harriman Co, Basil, Para
TONKA BEANS—15 cs, Irving Trust Co, Basil, Para
TUNGSTEN, POWD—45 dms, C Tennant Sons & Co, Samaria, Liverpool
TURMERIC, FINGERS—320 bgs, Robin Hood, Allepney
UMBER—35 cks, J A McNulty, Exeter, Alexandria
60 cks, T H Deutz, Exeter, Alexandria
19 cks, Stanley Doggett, Exeter, Alexandria
VANILLA BEANS—24 cs, Champlain, Havre
8 cs, Inik & Friest, Yucatan, Vera Cruz
19 cs, Dodge & Olcott Co, Yucatan, Vera Cruz
9 cs, Thurston & Braidich, Exeter, Marseilles
111 cs, Thurston & Braidich, Exeter, Marseilles
CUTS—27 cs, F Huber & Co, Yucatan, Vera Cruz
VIOLET FLOWERS—1 bg, Yardley & Co, American Banker, London
WATER, MINERAL—100 cs, Luchow Import Corp, Europa, Bremen
23 cs, H S Dorf & Co, Ile de France, Havre
WAX—200 bgs, D A Zorrilla, Heimgar, Tampico
51 bgs, Heimgar, Tampico
BEES—45 bgs, Platano, Santiago
52 bgs, Cauto, Tampico
15 pkgs Deccan Trading Co, Markhor, Port Sudan
8 bdls, J G Paton, Angelina, Ponce
4 bgs, D Steengrafe, Angelina, San Juan
1 bg, D Steengrafe, Angelina, San Juan
140 bgs, Cie Franc d'Afrique Occid, Egba, Conakry
572 bgs, Egba, Conakry
17 bgs, Machado & Co, Almena, Sanchez
17 bgs, Schutte & Focke, Almena, Sanchez
7 bgs, Porcella, Vicini & Co, Almena, Puerto Plata
101 pkgs, St Louis, Hamburg
34 bgs, Exeter, Alexandria
CANDELILLA—63 bgs, Cauto, Tampico
CARNAUBA—45 bgs, Strohmeyer & Arpe Co, Nasmyth, Ceara
56 bgs, Brown Bros-Harriman Co, Nasmyth, Ceara
168 bgs, Nasmyth, Ceara
375 bgs, Bank of London, South America, Basil, Parnahyba
188 bgs, Strahl & Pitsch, Basil, Parnahyba
312 bgs, American Cyanamid & Chem Co, Basil, Parnahyba
125 bgs, Strohmeyer & Arpe Co, Basil, Parnahyba
188 bgs, Smith & Nichols, Basil, Parnahyba
76 bgs, Basil, Parnahyba
292 bgs, Smith & Nichols, Basil, Ceara
112 bgs, Innis, Speiden & Co, Basil, Ceara
73 bgs Basil, Ceara
168 bgs, Innis, Speiden & Co, Basil, Camocim
1 bg, Wessel, Duval & Co, Basil, Camocim
CERESIN—32 bgs, Asiatic Petroleum Corp, Mapia, Sourabaya
MONTAN—100 bgs, General Dyestuff Corp, Veendam, Rotterdam
SPERMACETTI—100 cs McKesson & Robbins, Cameronia, Glasgow
VEGETABLE—50 bgs, A Hurst & Co, Cameronia, Glasgow
10 bgs, Cameronia, Glasgow
27 bgs, American Banker, London
WHITING — 700 bgs, Colgate-Palmolive-Peet Co, Cavallo, Hull
WITHERITE—5,500 bgs, Cavallo, Newcastle
WOODFLOUR—400 bgs, State Chem Co, Veendam, Rotterdam
YEAST — 60 kgs, Compressed Yeast Corp, Hansa, Hamburg
115 bbls, Vulkan Yeast Co, Hansa, Hamburg
ZINC, FORMALDEHYDE HYDROSULPHITE —5 kgs, Philipp Bros, Samaria, Liverpool
OXIDE—75 cks, Reichard-Coulston, Cavallo, Newcastle
RESINATE—10 dms, American Banker, London

New York Transit Imports

BLUE, ULTRAMARINE — 216 cks, Standard Ultramarine Co, Cavallo, Hull, Huntington
CARAWAY SEED—100 bgs, Veendam, Rotterdam, Chicago
COLOCYNTH—9 bgs, Parke, Davis & Co, City of Durban, Suez, Detroit
EGG YOLK, FROZEN—3,356 cs, G H Hammond Co, Tai Ping, Shanghai, Chicago
GLASS, WINDOW—1,253 cs, Eastman Kodak Co, President Roosevelt, Hamburg, Rochester
MUSTARD SEED—150 bgs, Veendam, Rotterdam, Cleveland
OIL, CHINAWOOD—606 tons, W G Smith Co, Tai Ping, Hankow, Cleveland
PAPRIKA—25 bgs, Schenker & Co, President Roosevelt, Hamburg, Chicago
POPPYSEED—150 bgs, Veendam, Rotterdam, Cleveland
SARSAPARILLA ROOT—22 bls, Parke, Davis & Co, Heimgar, Tampico, Detroit
SPONGES—10 bls, Oriente, Havana, Paris
79 bls, Munargo, Nassau, London
1 bl, Munargo, Nassau, Kobe
REFUSE—4 bls, Munargo, Nassau, Kobe
TANKAGE—1,087 bgs, J Dold Packing Co, Uruguayo, Buenos Aires, Buffalo

Baltimore Imports

BONEMEAL—2,500 bgs, Paraguayo, Buenos Aires
2,176 bgs, Laura C, Fiume
CHEMICALS—150 bgs, City of Baltimore, Bremen
40 cks, City of Baltimore, Hamburg
CHROME ORE—2,473 tons, Philadelphia Natl Bank, Atlantic, Lourenco Marques
CLAY—60 cks, City of Baltimore, Bremen
FERRO CHROME—250 cs, Kiyokawa, Yokohama
HOOF MEAL—540 bgs, Paraguayo, Buenos Aires
INSECTICIDE—3 cs, Kiyokawa, Kobe
IRON ORE—5,502 tons, Bethlehem Steel Co, Gasiar, Whyalla
11,000 tons, Bethlehem Steel Co, Cubore, Daiquiri
LIVERMEAL—337 bgs, Paraguayo, Buenos Aires
MAGNESITE—18,067 bgs, General Refractories Co, Laura C, Trieste
MANGANESE ORE—8,200 tons, Carnegie Steel Co, Reedpool, Takoradi
1,000 tons, Tampa, Calcutta
MOLASSES—1,857,024 gls, Cuba Distilling Co, Elizabeth Kellogg, Port Tarafa
OIL, COCONUT—574 tons, Kiyosumi, Manila
FUEL—68,000 bbls, Standard Oil Co of N J, E J Bullock, Aruba
PAINT, EARTH DRY—302 bgs, E M F Waldo, Laura C, Trieste
PEATMOSS—5,460 bls, City of Baltimore, Bremen
PEANUT MEAL—7,334 bgs, Laura C, Trieste
PETROLEUM, CRUDE—56,728 bbls, Standard Oil Co of N J, Bianca, Las Piedras
PYRITES—7,542 tons, Avon Cliff, Huelva
SARDINE MEAL—4,700 bgs, Kiyosumi, Kobe
2,000 bgs, Kiyosumi, Yokohama
2,000 bgs, Bordeaux, Yokohama
SESAME SEED—320 bgs, Kiyokawa, Shanghai
SOYBEAN MEAL—600 bgs, Kiyokawa, Dairen
TALC—275 bgs, Kiyokawa, Kobe
1,000 bgs, Bordeaux, Shanghai
TANKAGE—500 bgs, Paraguayo, Buenos Aires
WATTLE BARK — 990 bls, Tannin Corp, Atlantic, Durban
ZINC CONCENTRATES—9,049 sks, Cacique, Callao

Boston Imports

ACID, CRESYLIC—21 dms, 9 tons, 16 cwt, 2 qtrs, 27 lbs, Samaria, Liverpool
TARTARIC—40 cks, 4,952 lbs, Exeter, Genoa
AGAR AGAR—10 bls, Dodwell & Co, Bordeaux, Kobe
CHINA CLAY—399 tons, Moore & Munger, Mount Helmos, Fowey
2,642 tons, English China Clays Sales Corp, Mount Helmos, Fowey
COCOA BEANS—250 sks, Bordeaux, Cristobal; 250 sks, Lady Nelson, Trinidad
CHALK—3,100 tons, New England Whiting Co, Bestum, London
COLOR, DRY—3 cs, American Express Co, Samaria, Liverpool
EMERY FILLET—1 cs, Joseph Sykes Bros, Samaria, Liverpool
FERTILIZER, CHEMICAL—29 bgs, Davies Turner & Co, American Banker, London
FISH LIVERS—2 cs, J A Rich Co, Yarmouth, Yarmouth
2 cs, John Nagle, Yarmouth, Yarmouth
3 cs, J A Rich, Evangeline, Yarmouth
1 bbl, J A Rich, Yarmouth, Yarmouth
371 pkgs, Osaka Shosen Kaisha, Nako, Yokohama
1 cs, John Nagle, Evangeline, Yarmouth
MEAL—1,000 bgs, 100,000 lbs, Nako, Yokohama
FULLER'S EARTH—1 cs, Lever Bros, American Banker, London
GLUESTOCK, FISH SCRAP — 8 bxs, J R Poole, Evangeline, Yarmouth
3 bgs, Rogers Isinglass & Glue Co, Yarmouth, Yarmouth
GUM, ARABIC—200 bgs, 44,974 lbs, National Bank of Egypt, Markhor, Port Sudan
INDUSTRIAL — 20 cks, President Pierce, Marseilles
KARAYA—134 bgs, President Pierce, Bombay
GYPSUM—6,300 tons, U S Gypsum Co, Gypsum Prince, Windsor, N S
NUTMEGS—50 bgs, T Wilson Co, Lady Nelson, Grenada
OCHER—30 cks and 70 bgs, 24,021 lbs, Reichard-Coulston, Exeter, Marseilles
OIL, COCONUT—480 tons, Philippine Refining Corp, Amagisan, Manila
COD—1 csk, from Nova Scotia
FUEL—57,800 bbls, Colonial Beacon Oil Co, Wellfield, Aruba
OLIVE—50 cs, 5,952 lbs, Exeter, Genoa
PALM—1,401 tons, United Africa Co, New Brooklyn, Koko
TEASEED—75 dms, Nako, Hongkong
PEPPER—80 bgs, City of Durban, Calicut
SAGO FLOUR—368 bgs, Rhesus, Singapore
SHELLAC — 50 bgs, Grace National Bank, Markhor, Calcutta
GARNETLAC — 100 bgs, Grace National Bank, American Banker, London
SOAP, TOILET—1 cs, Lever Bros, Samaria, Liverpool
1 cs, Lever Bros, American Banker, London
TARTAR, RAW—36 sks, First National Bank, President Pierce, Marseilles
UMBER, BURNT—176 bgs, H P Lambert & Co, American Banker, London
WATER, MINERAL—2 cs, Pistorino & Co, President Pierce, Naples
25 cs, S S Pierce Co, American Banker, London
175 cs, S S Pierce Co, Exeter, Marseiles

Boston Transit Imports

BATH SOFTENER—6 cs, American Express Co, American Banker, London, for Cleveland
INK, PRINTING—1 cs, American Express Co, American Banker, London, for Chicago
PERFUMERY—1 cs, American Express Co, American Banker, London for Indianapolis
SOAP—9 cs, Schuggs, Vanderwoort, Barney, President Pierce, Marseilles, for St. Louis
TARTAR, CREAM—250 cks, President Pierce, Genoa, for St John, N B

Houston Imports

BLEACHING POWDER — 100 cs, Colorado Springs, Liverpool
COPPERAS — 96,900 kilos, Binnendijk, Antwerp
OIL, COTTONSEED — 1 lot, Binnendijk, Rotterdam
SESAME—1 lot, Binnendijk, Rotterdam
SOYBEAN—1,246 tons, Leerdam, Rotterdam
PEATMOSS—600 bls, Binnendijk, Rotterdam

Los Angeles Imports

ALCOHOL—2,000 lbs, Silverguava, Manila
BABASSU KERNELS—220,460 lbs, West Nilus, Maranhao
BLOOD, DRIED—100,800 lbs, from Melbourne
BONE CALC—11,100 lbs, Dinteldijk, London
MEAL—100,000 lbs, Nailsea, Dairen
112,000 lbs, Nansenville, Paris
112,000 lbs, Nansenville, Vilvordele, Belgium
CALCIUM, NITRATE—1,052,800 lbs Nansenville, Oslo
CARAWAY SEED—2,730 lbs, Dinteldijk, Rotterdam
1,000 lbs, Dinteldijk, Amsterdam
CHALK, CRUDE—1,336,920 lbs, Washington, London
CHEMICALS—600 lbs, Taiyo, Yokohama
1,200 lbs, Chichibu, Yokohama
CHILLIES—6,000 lbs, Keisho, Kobe
CHINA CLAY—67,420 lbs, Dinteldijk, St Anstell, England
CLAY, BALL—451,580 lbs, Dinteldijk, Plymouth
CLOVES—5,510 lbs, President Lincoln, Madagascar
COCOA MEAL—56,000 lbs, Dinteldijk, Rotterdam
336,000 lbs, Dinteldijk, Brussels
COPPERAS—106,270 lbs, Washington, Antwerp
COPRA—2,688,000 lbs, Golden Peak, Cebu
MEAL—2,648,000 lbs, Silverpalm, Manila
638,900 lbs, Silverpalm, Cebu
1,048,000 lbs, Silverguave, Manila
560,000 lbs, Peter Maersk, Manila
DRUGS, CRUDE—27,990 lbs, Koyei, Yokohama
FERTILIZER SUBST—100,000 lbs, Kosei, Yokohama
2,200 lbs, Hohei, Yokohama
FISH LIVERS—38,080 lbs, Chickibu, Yokohama
MEAL—224,000 lbs, Taihei, Kobe
199,360 lbs, Taihei, Tokio
FULLER'S EARTH—15,010 lbs, Dinteldijk, London
GELATIN—2,070 lbs, Dinteldijk, Rotterdam
GINGER—8,950 lbs, Dinteldijk, Jamaica
GUM, DAMMAR—7,840 lbs, Silverpalm, Singapore
HEMPSEED MEAL—200,000 lbs, Keisho, Kobe
HERBS, CRUDE—10 lbs, Kosei, Yokohama
MEDICINAL PREPS—50 lbs, Shohei, Yokohama
OIL, CHINAWOOD—21,000 lbs, Chichibu, Hongkong
62,300 lbs, Chichibu, Tientsin
10,500 lbs, Peter Maersk, Hongkong
CODLIVER—22,000 lbs, Nansenville, Bergen
COTTONSEED—254,000 lbs, Hokuroku, Kobe
318,330 lbs, Chichibu, Osaka
320,000 lbs, Koyei, Japan
OLIVE — 66,350 lbs, President Harrison, Genoa
10,440 lbs, From Seville
PAPRIKA—11,000 lbs, Dinteldijk, Alicante
PEATMOSS—118,720 lbs, Nansenville, Malmo
POPPYSEED—2,730 lbs, Dinteldijk, Rotterdam
1,090 lbs, Dinteldijk, Amsterdam
POTASH, MURIATE—508,480 lbs, Washington, Amsterdam
RICE FLOUR—150 lbs, Shohei, Yokohama
1,380 lbs, Taihei, Yokohama
SARDINE MEAL—523,360 lbs, Keisho, Kobe
SESAME SEED—100 lbs, Taiyo, Yokohama
MEAL—300,000 lbs, Keisho, Kobe
100,000 lbs, Keisho, Tokyo
SHELLAC—41,826 lbs, Silverpalm, Calcutta
SILVERSAND—448,000 lbs, Washington, Antwerp
SOAP—1,900 lbs, Dinteldijk, London
TOILET—60 lbs, Dinteldijk, London
130 lbs, From London
240 lbs, Kosei, Tokyo
SODA CYANIDE—6,700 lbs, Dinteldijk, Amsterdam
STARCH—110 lbs, Shohei, Yokohama
POTATO—6,550 lbs, Dinteldijk, Rotterdam
TIMBO ROOT, POWD—11,020 lbs, West Nilus, Para
TOILET PREPS—10 lbs, From London
20 lbs, Dinteldijk, London
WAX, MINERAL—256,170 lbs, Roseville, Batavia

Mobile Imports

BAUXITE ORE—2,494 tons, Nidareid, Paramaribo

New Orleans Imports

ACID, CRESYLIC—44 dms American Cyanamid & Chem Co, Leerdam, Rotterdam
BAUXITE ORE—2,429 tons, Republic Mining & Mfg Co, Marita, Paramaribo
330 tons, Republic Mining & Mfg Co, Marita, Port of Spain
BLOOD, DRIED—496 sx, Whitney Bank, Leerdam, Vera Cruz
COCOA BEANS—1,100 sx, Fruit Dispatch Co, Santa Marta, Bocas del Toro
5,300 sx, Fruit Dispatch Co, Olancho, Almirante
CARBON, DECOLORIZING—300 sx, Sterling Sugars, Inc, Leerdam, Rotterdam
CHEMICALS—72 cks, Advance Solvents & Chemical Corp, Frankfurt, Hamburg
250 sx, Frankfurt, Hamburg
20 cks, 139 bbls, Leerdam, Rotterdam
CLAY—270 sx, Frankfurt, Hamburg
COCONUTS—150 sx, Goodman & Beer, Cefalu, Cristobal
133 sx, Standard Fruit & Steamship Co, Cefalu, Celba
100 sx, Whitney Bank, Santa Marta, Cristobal
GLASS, WINDOW—648 cs, Leerdam, Antwerp
GUM, CHICLE—652 bls, Wm Wrigley Jr, Olancho, Belize
MOLASSES—1,203,143 gls, Commercial Molasses Corp, Caloria, Puerto Padre
326,929 gls, Commercial Molasses Corp, Amolco, Vita
529,168 gls, Commercial Molasses Corp, Amolco, Banes
8,950 tons, Athelregent, Sourabaya
4,464 tons, Athelregent, Panaroekan
MUSTARD—85 cs, Atlantic Sales Corp, Floride, Hull

OIL, COCONUT—500 tons, Kurama, Manila
CODLIVER—371 dms, Leerdam, Rotterdam
MINERAL—75 dms, Frankfurt, Hamburg
PALM—485 tons, Van Leuwen, Boomkamp & Co, Talisse, Belawan Deli
PALMKERNEL—283 tons, Frankfurt, Hamburg
PAPRIKA—25 sx, Whitney Bank, Frankfurt, Hamburg
POTASH, CHLORATE—500 dms, Bank of Manhattan, Frankfurt, Hamburg
SALTCAKE—1,031 tons, Bank of Manhattan, Floride, Antwerp
TAPIOCA FLOUR—500 sx, H P Winter & Co, Talisse, Cheribon
25 sx, Talisse, Cheribon

Philadelphia Imports

ACID, CORN OIL—59 bbls, Spaarndam, Rotterdam
COTTONSEED OIL — 60 bbls, Beemsterdijk, Rotterdam
CRESYLIC—62 dms, Beemsterdijk, Rotterdam
ILLIPE OIL—31 bbls, Beemsterdijk, Rotterdam
PEANUT OIL—83 dms, Spaarndam, Rotterdam
SOYBEAN OIL—142 dms, Beemsterdijk, Rotterdam
102 bbls, Beemsterdijk, Rotterdam
SPERM OIL—25 bbls, Beemsterdijk, Rotterdam
ASBESTOS, CRUDE—1,334 bgs, Raw Asbestos Dist Co, Atlantic, Beira
ASPHALT FLUX—11,532 tons, Sinclair Refining Co, Swiftarrow, Tampico
BAUXITE—1,455 tons, Ingrid, Georgetown
CALCIUM SILICIDE—97 cks, Philadelphia National Bank, Collamer, Havre
CARAWAY SEED—50 bgs, Beemsterdijk, Rotterdam
CASSIA, SAIGON—100 bls, Mellon National Bank, Amagisan, Hongkong
CHEMICALS—100 cks, Advance Solvents Corp, Spaarndam, Rotterdam
126 dms, Spaarndam, Rotterdam
15 cks, Spaarndam, Rotterdam
400 dms, Beemsterdijk, Rotterdam
353 cks, Beemsterdijk, Rotterdam
1,090 bgs, Furness Withy & Co, Beemsterdijk, Rotterdam
CHROME ORE—1,500 tons, E J Lavino & Co, Atlantic, Beira
8,550 tons, Electro Metallurgical Co, Ardenvohr, Pagoumene
CLAY, VALLENDAR—159 cks, Spaarndam, Rotterdam
COCOA BEANS—12,672 bgs, Balfour, Guthrie & Co, Egba, Accra
CORK, VIRGIN—795 bls, Armstrong Cork Co, Ida Z O, Lisbon
1,200 bls, Armstrong Cork Co, Ida Z O, Leixoes
300 bls, Examiner, Palermo
WASTE—6,214 bls, Armstrong Cork Co, Ida Z O, Lisbon
7,505 bls, Armstrong Cork Co, Examiner, Marseilles
799 bls, Armstrong Cork Co, Examiner, Marseilles
WOOD—2,526 bls, Armstrong Cork Co, Ida Z O, Leixoes
DYEWOOD — 2,290 tons, American Dyewood Co, Marpesia, Cape Haitien
ENAMEL—5 cs, Spaarndam, Rotterdam
GLYCERIN—40 dms, Pasternak & Co, Collamer, St Nazaire
GUM, COPAL—201 bskts, National City Bank, Cingalese Prince, Macassar
198 bskts, Royal Bank of Canada, Cingalese Prince, Macassar
179 bskts, Chase National Bank, Cingalese Prince, Macassar
DAMMAR—200 cs, Chase National Bank, Cingalese Prince, Cheribon
MANIOC MEAL—508 bgs, Cingalese Prince, Samarang
MANGANESE CLINKERS—1,500 bgs, Nako, Darien
ORE—8,250 tons, E J Lavino, Romanby, Takoradi
ORE CONC—5,100 tons, Lavino Shipping Co, Mallemak, Santiago
5 cs, (samples), Lavino Shipping Co, Mallemak, Santiago
MENTHOL—100 cs, Vick Chemical Co, Kobe
150 cs, Vick Chemical Co, Bordeaux, Kobe
MOLASSES—1,343,000 gls, Cuba Distilling Co, Carabulle, Guayabal
298,262 gls, Commercial Molasses Corp, Beaufort, Cienfuegos
1,261,225 gls, Commercial Molasses Corp, Beaufort, Guantanamo
MYROBALANS—4,132 pkts, Tampa, Calcutta
4,980 pkts, Guaranty Trust Co, Tampa, Calcutta
4,000 bgs, Tampa, Bombay
OCHER—880 bgs, F B Vandergrift, Examiner, Marseilles
OHTENASHI BEANS—3,000 bgs, M S Cowen, Bordeaux Maru, Yokohama
OIL, CHINAWOOD—266 dms, Murray Oil Products Corp, Amagisan, Kobe
732,830 tons, National City Bank, Cingalese Prince, Shanghai
CORN—240,923 kos, Spaarndam, Rotterdam
CUMAN—1 tin, West Point, Fort Aleze
ESSENTIAL—16 dms, Philadelphia National Bank, West Point, Fort Aleze
MUSTARD SEED—100 dms, Balfour, Guthrie & Co, Nako, Osaka
50 dms, Otto A C Hagen Corp, Amagisan, Kobe
SOYBEAN—133,000 kos, Beemsterdijk, Rotterdam
VEGETABLE—25 dms, W R Grace & Co, Bordeaux, Kobe
PEATMOSS—601 bls, Spaarndam, Rotterdam
1 bl, Furness, Withy & Co, Spaarndam, Rotterdam
4,100 bls, Bemsterdijk, Rotterdam
PETROLEUM, CRUDE—91,738 bbls, Gulf Oil Corp, Gulfwax, Las Piedras
89,944 bbls, Gulf Oil Corp, Gulfpenn, Las Piedras
80,000 bbls, The Texas Co, Frimaire, Tampico
POPPYSEED—250 bgs, Beemsterdijk, Rotterdam
PUMICE—90 bgs, Examiner, Messina
PYRITES, ORE—7,167 tons, Huelva, Somerville
RICE FLOUR—250 bgs, Stein, Hall & Co, Spaarndam, Rotterdam
SAGO FLOUR—734 bgs, Guaranty Trust Co, Amagisan, Kobe
SARDINE MEAL—1,000 bgs, Wilbur Ellis & Co, Nako, Kobe
1,000 bgs, Nako, Kobe
SESAME SEED—280 bgs, Wm G Scarlett & Co, Amagisan, Hongkong
SODA, NITRATE, GRAINED—823,028 kos, Chilean Nitrate Sales Corp, Frida, Tocopilla
SOYBEAN MEAL—800 bgs, Kiyokawa, Darien
1,100 bgs, Mitsui Shoji Kaisha, Nako, Darien
TAPIOCA FLOUR—1,000 bgs, Chase National Bank, Penrith Castle, Cheribon
803 bgs, Balfour, Guthrie & Co, Penrith Castle, Parmanoekan
250 bgs, Chase National Bank, Penrith Castle, Batavia
575 bgs, First National Bank, Penrith Castle, Batavia
500 bgs, Guaranty Trust Co, Cingalese Prince, Cheribon
1,250 bgs, Philadelphia National Bank, Cingalese Prince, Cheribon
WATTLE BARK—1,687 bls, Atlantic, Mombasa
WAX, CARNAUBA—168 bgs, Chase National Bank, West Point, Fort Aleze
VEGETABLE—100 cs, Mitsui & Co, Amagisan, Kobe

Port Arthur Imports

PETROLEUM, CRUDE—69,384 bbls, Benedick, Tampico

Portland, Ore., Imports

CLOVES—40 sks, President Lincoln, Hongkong (transhipped)
COPRA—1,952 tons, Durkee Famous Foods, Texas, Cebu
MEAL—4,000 sks, Snow Brokerage Co, Silverpalm, Manila
4,000 sks, Sembilan, Manila
1,500 sks, Snow Brokerage Co, Sembilan, Manila
GLASS, WINDOW—13 cs, Pacific Trader, Manchester
GUM, COPAL—127 bskts, Hongkong & Shanghai Banking Corp, Sembilan, Macassar
PEANUT MEAL—1,000 sks, Balfour, Guthrie & Co, Texas, Tsingtao
3,000 sks, Mitsubishi Shoji Kaisha, Texas, Tsingtao
1,000 sks, Walter Johnson, Texas, Tsingtao
TAPIOCA FLOUR—150 sks, Guaranty Trust Co of N Y, Sembilan, Tandjong-Priok
1,480 sks, American Trust Co, Sembilan, Sourabaya
PEARL—70 sks, Sembilan, Sourabaya
SEEDS—60 sks, American Trust Co, Sembilan, Sourabaya

San Francisco Imports

ACID, CITRIC—200 cs, Manukai, Honolulu
FATTY—75 sks, Echeguren & Co, Kosei, Yokohama
ALBUMEN, EGG, DUCK—44 cs, Henry W Peabody & Co, President Coolidge, Hankow
HEN—22 cs, Bashaw Co, General Pershing, Kobe
112 cs, American Cyanamid & Chemical Corp, President Coolidge, Tientsin
56 cs, Wood & Selick, President Coolidge, Tientsin
ALCOHOL—200 dms, Manukai, Honolulu
ARSENIC—1,350 dms, Wilson & George Meyer & Co, Margaret Johnson, Gothenburg
BONES—1,228,416 lbs, Hoyanger, Montevideo
GLUE—453,600 kilos, Swift & Co, Hoyanger, Rosario
GRANULATED — 500,420 kilos, Hoyanger, Rosario
BRISTLES—11 cs, President Coolidge, Shanghai
31 cs, Autograf Brush Co, President Coolidge, Shanghai
Quantity, Stone & Downer, President Coolidge, Shanghai
121 cs, F W Von Stade, President Coolidge, Tientsin
55 cs, F H Cone & Co, President Coolidge, Dairen
100 cs, F H Cone & Co, President Coolidge, Tientsin
CANARY SEED—1,158 sks, Hoyanger, Buenos Aires
CARAWAY SEED—100 sks, Heranger, Rotterdam
CASSIA—300 bls, A Schilling & Co, President Coolidge, Hongkong
75 bls, S H Tyler & Son, President Coolidge, Hongkong
CHALK, PRECIP—67 sks, H J Baker & Bro, Moveria, Liverpool
COCOA BEANS—80 sks, D Hecht & Co, General Pershing, Colombo
100 sks, H M Newhall & Co, General Pershing, Colombo
COCONUT, DESIC—1,240 cs, Wilbur-Ellis Co, Tai Ping, Davao
730 cs, Franklin Baker Co, Tai Ping, Manila
863 cs, Durkee Famous Foods, Tai Ping, Manila
1,000 cs, J E Lowden, Tai Ping, Manila
6,000 cs, Franklin Baker Co, General Pershing, Manila
2,793 cs, Durkee Famous Foods, General Pershing, Manila
3,435 cs, Wood & Selick, President Coolidge, Manila
3,089 cs, Durkee Famous Foods, President Coolidge, Manila
1,075 cs, Balfour, Guthrie & Co, President Coolidge, Manila
2,767 cs, Philippine Desiccated Coconut Corp, President Coolidge, Manila
5,949 cs, Franklin Baker Co, President Coolidge, Manila
400 cs, Dodwell & Co, President Coolidge, Manila
COCONUTS—120 sks, Pacific Coconut Co, Hauraki,Papeete
112 sks, D G Bowley, Hauraki, Papeete
120 sks, Hauraki, Papeete
COPRA—1,343 sks, Burns, Philip Co, Hauraki, Papeete
MEAL — 4,480 sks, Taylor Milling Corpn, President Coolidge, Manila
6,000 sks, Snow Brokerage Co, President Coolidge, Manila
2,000 sks, President Coolidge, Manila
EGG YOLK, HEN, DRIED—872 cs, Doughnut Corpn of America, President Coolidge, Tientsin
112 cs, American Cyanamid & Chemical Corpn, President Coolidge, Tientsin
56 cs, Doughnut Corpn of America, President Coolidge, Hankow
FERTILIZER—1,300 sks, International Trading Co, Kosei, Yokohama
FLAXSEED—9,204 sks, Louis Dreyfus & Co, Hoyanger, Rosario
17,050 sks, Hoyanger, Buenos Aires
GINGER ROOT—10 cs, General Pershing, Hongkong
127 pkgs, President Coolidge, Hongkong
GLYCERIN, CRUDE—28 dms, Bank of California, N A, Hauraki, Wellington
40 dms, American Trust Co, Hoyanger, Rosario
GUM COPAL—356 sks, France, Campbell & Darling, General Pershing, Manila
121 sks, Stroock & Wittenberg Corpn, General Pershing, Manila
HONEY—67,780 lbs, Maliko, Port Allen
ISINGLASS—5 bls, S Ishimitsu Co, Kosei, Kobe
MEDICINAL PREPS—1 cs, S Ishimitsu Co, Kosei, Kobe
5 cs, North American Mercantile Co, Kosei, Yokohama
2 cs, Fung Chong, President Coolidge, Hongkong
25 cs, Oy Wo Tong, President Coolidge, Hongkong
5 cs, Kwong Yick, President Coolidge, Hongkong
47 pkgs, Fook Woo Tong Co, President Coolidge, Hongkong
41 pkgs, Chan Ning Tong Co, President Coolidge, Hongkong
1 cs, Gin Wall Co, President Coolidge, Hongkong
38 pkgs, Tin Shew Tong, President Coolidge, Hongkong
1 cs, Lu Yun Chang, President Coolidge, Shanghai
MILLET SEED—509 sks, Hoyanger, Rosario
MOLASSES—800 tons, Manukai, Honolulu
5,600 tons, Dora, Kahului
6,000,000 lbs, Dora, Honolulu
1,211 tons, Makiki, Hilo
MUSTARD SEED—168 sks, Southgate Foods, President Coolidge, Tientsin
OIL, CHINAWOOD — Quantity, Werner G Smith Co, President Coolidge, Shanghai
Quantity, Durkee Famous Foods, President Coolidge, Shanghai
Quantity, D Hecht & Co, President Coolidge, Shanghai
Quantity, S L Jones & Co, President Coolidge, Shanghai
COTTONSEED—160 tons, Durkee Famous Foods, Tai Ping, Kobe
Quantity, Durkee Famous Foods, President Coolidge, Shanghai
413 dms, Arnhold & Co, President Coolidge, Tientsin
842 dms, Balfour, Guthrie & Co, President Coolidge, Tientsin
Quantity, M W Park & Co, President Coolidge, Hankow
COTTONSEED, REFD—1,173,061 lbs, National City Bank of Cleveland, Kosei, Kobe
COTTONSEED, SEMI-REFD—153 tons, Durkee Famous Foods, Tai Ping, Kobe
EUCALYPTUS—1 dm, P W Bellingham, Hauraki, Melbourne
FISH, HARD—900 sks, Willits & Co, Kosei, Yokohama
OLIVE—25 dms, G Granucci & Sons, President Adams, Genoa
15 dms, Doneri Bros, President Adams, Genoa
100 dms, President Adams, Marseilles
PEANUT—100 dms, S L Jones & Co, Taiyo, Tientsin
100 cs, Fung Chong, General Pershing, Hongkong
140 cs, Columbia Co, President Coolidge, Hongkong
PERILLA—1,114,724 lbs, S L Jones & Co, Kosei, Kobe
TEASEED—100 dms, Irving R Boody & Co, President Coolidge, Shanghai
VEGETABLE—10 cs, S Ishimitsu Co, Kosei, Kobe
PEANUTS, SHELLED—800 sks, M S Cowen, Tai Ping, Manila
486 sks, S L Jones & Co, President Coolidge, Manila
1,050 sks, M S Cowen, President Coolidge, Manila
UNSHELLED—10 sks, President Coolidge, Manila
PILI NUTS—10 sks, President Coolidge, Cebu
POPPYSEED—50 sks, Heranger, Rotterdam
QUEBRACHO EXTRACT—103 sks, Tannin Corpn, Hoyanger, Rosario
400 sks, International Products Corpn, Hoyanger, Buenos Aires
RICE BRAN MEAL—400 sks, Durkee Famous Foods, Tai Ping, Yokohama
900 sks, Vitab Products, President Coolidge, Yokohama
SARDINE MEAL—2,000 sks, Durkee Famous Foods, Kosei, Kobe
4,000 sks, Balfour, Guthrie & Co, Kosei, Kobe
1,000 sks, Pacific Trading Co, Kosei, Kobe
4,000 sks, Kosei, Kobe
2,000 sks, Taylor Milling Corpn, Kosei, Yokohama
SESAME MEAL—1,000 sks, Mitsubishi Trading Co, Kosei, Yokohama
SEEDS—100 sks, Wah Young Co, General Pershing, Hongkong
353 sks, D Hecht & Co, General Pershing, Hongkong
25 sks, Gale T German, President Coolidge, Hongkong
50 sks, Wah Young Co, President Coolidge, Hongkong
SOAP—2 cs, Swedish Imports & Exports Co, Margaret Johnson, Stockholm
SODA CYANIDE — 300 dms, Kosei, Yokohama
STARCH—20 cs, Fung Chong, General Pershing, Hongkong
20 cs, Suey Chong Co, President Coolidge, Hongkong
SULPHUR FLOWERS—1,000 sks, J & R Mercantile Co, President Adams, Carania
WICKS—50 cs, Granucci & Co, President Adams, Marseilles
TALLOW — 5 dms, Manukai, Kahului
8 dms, Anglo-California National Bank, Hauraki, Wellington
81 dms, Anglo-California National Bank, Hauraki, Dunedin
225 dms, Willits & Co, Inc, Hauraki, Melbourne
282 dms, Anglo-California National Bank, Mariposa, Melbourne
26 bbls, Tupman-Thurlow Co, Mariposa, Sydney
26 bbls, Anglo-California National Bank, Mariposa, Sydney
56 dms, Pacific National Bank, Mariposa, Sydney
VEGETABLE, WHITE—516 pkgs, S L Jones & Co, President Coolidge, Shanghai
TANKAGE—500 sks, American Foreign Sales Co, Hauraki, Dunedin
500 sks, Hauraki, Dunedin
TARTAR, RAW—398 sks, Bank of California, N A, President Adams, Marseilles
TOILET PREPS—1 cs, Pacific Trading Co, Kosei, Yokohama
1 cs, Mutual Supply Co, Kosei, Yokohama
VANILLA BEANS—18 tins, Hauraki, Papeete
WINE LEES—1,982 bgs, Hoyanger, Rosario

Savannah Imports

MICA WASTE—1,770 bls, Atlanta City, Calcutta
SAGO FLOUR—3,723 bgs, Silverteak, Singapore
TAPIOCA FLOUR—1,150 bgs, Maron, Batavia
250 bgs, Maron, Cheribon

Seattle Imports

CASSIA—101 sks, Sembilan, Padang
GUM COPAL—65 bskts, H M Newhall & Co, Sembilan, Macassar
65 bskts, Hongkong & Shanghai Banking Corp, Sembilan, Macassar
OIL, CREOSOTE—3,952 tons, Strombo, Amsterdam
SODA, CHLORATE—1,599 cans, International Selling Corp, San Jose, Havre
TAPIOCA, PEARL—56 sks, Bank of California N A, Sembilan, Cheribon
25 sks, American Trust Co, Sembilan, Sourabaya
SEEDS—84 sks, Bank of California N A, Sembilan, Batavia
75 sks, American Trust Co, Sembilan, Sourabaya

Tampa Imports

BONE MEAL—552 bgs, Ida, Fiume
FERTILIZER, NITROGENOUS—2,099 bgs, Ida, Trieste
RAPESEED MEAL—3,900 bgs, Ida, Trieste

Exports From U.S. Ports

New York Exports

Clearance Dates

Aquitania, June 25; Bermania, June 25; Black Condor, June 12; Black Falcon, June 29; Black Osprey, June 25; Caledonia, June 25; Cape Corso, June 26; Dordrecht, June 26; Edam, June 18; Exchange, June 15; Europea, June 18; Golden Cloud, June 21; Gypsum Empress, June 25; Heroy, June 11; Ile France, June 18; Kemic, June 25; Martinique, June 22; Musa, June 25; Peten, June 24; Pilsudski, June 21; Ponce, June 15; President Harding, June 22; Queen Mary, June 22; Rex, June 25; San Jacinto, June 26; Sarcoxie, June 25; Saturnia, June 18; Sessa, June 9; Statendam, June 29; Transylvania, June 17; Ulua, June 26; Volendam, June 25

ACID, CITRIC—252 lbs, Ponce, Arecibo
CRSYLIC—1,090 lbs, Ulua, Cantegena
MURIATI—18,500 lbs, Mussa, Tela; 30,840 lbs, Ponce, Ponce; 30,940 lbs, San Jacinto, Ponce
OXALIC—6,983 lbs, Golden Cloud, Honolulu; 2,760 lbs, Ulua, Porto Colombia
PHENYLINCHONINIC—301 lbs, Exchange Piraeus
TOBIAS—2,415 lbs, Black Condor, Rotterdam
ALUMINA CHLORIDE, CRYST—6,335 lbs, Black Osprey, Amsterdam
AMMONIA, CARBONATE—600 lbs, Ulua, Panama City
ANTIKNOCK COMP—1,375 gls, Sarcoxie, Havre
ASPHALT—50,105 lbs, Sarcoxie, Havre; 6,402 lbs, Black Falcon, Rotterdam; (Black Osprey) 92,693 lbs, Antwerp; 32,928 lbs, Rotterdam
LIQUID—11,257 lbs, Transylvania, Glasgow; 67,210 lbs, Black Condor, Rotterdam
BLUE, VITRIOL—47,322 lbs, Gypsum Empress, Windsor
CALCIUM ARSENATE—111,742 lbs, Sessa, Buenaventura
CHEMICALS — (Sessa) 5,788 lbs, Buenaventura; 1,040 lbs, Callao; 2,250 lbs, Sarcoxie, Dunkirk; 5,560 lbs, President Harding, Havre; 5,533 lbs, Statendam, Rotterdam
CHLORINE—7,546 lbs, Martinique, Porto Colombia
COALTAR—4,074 lbs, Sessa, Buenaventura
DISTILLATE—957 lbs, Sessa, Buenaventura
COLOR, DRY—5,897 lbs, Martinique, Porto Colombia; (Ulua) 1,725 lbs, Porto Colombia; 4,327 lbs, San Juan del Sur
CORN FLOUR—998 lbs, Sessa, Paita
DISINFECTANT, COALTAR—10,533 lbs, Sessa, Buenaventura
DYES—4,667 lbs, Black Osprey, Rotterdam; 5,791 lbs, Black Condor, Rotterdam
FULLER'S EARTH — 10,000 lbs, Statendam, Rotterdam
GASOLINE — 3,900 gls, Heroy, St Thomas; 3,250 gls
AVIATION—4,200 gls, Heroy, Cayenne
GLASS, PLATE — 1,146 lbs, Peten, Cienfuegos
WINDOW—(Peten) 2,939 lbs, Cristobal; 1,653 lbs, Havana
GLYCERIN—1,358 lbs, Peten, Havana
GRAPHITE — 15,750 lbs, Sarcoxie, Havre
GREASE, LUBRICATING—(Heroy) 8,153 lbs, Martinique; 9,660 lbs, Trinidad; (Sessa) 5,735 lbs, Buenaventura; 23,410 lbs, Valparaiso; (Exchange) 17,699 lbs, Piraeus; 18,606 lbs, Istanbul; (Saturnia) 2,202 lbs, Lisbon; 14,262 lbs, Lobito; 10,749 lbs, Casablanca; 5,258 lbs, Haiphong; 22,774 lbs, Saigon; 932 lbs, Port Louis; 42,688 lbs, Rex, Genoa; (Musa) 1,120 lbs, Tela; 2,298 lbs, Porto Barrios; 2,223 lbs, Caledonia, Glasgow; (Ulua) 9,514 lbs, Porto Colombia; 7,301 lbs, Corinto; 15,527 lbs, GREASE, LUBRICATING (Continued):— Guayaquil; 3,942 lbs, Callao; 8,974 lbs, Ponce, San Juan; (Ile France) 642 lbs, Bordeaux; 31,266 lbs, Havre; 2,275 lbs, President Harding, Hamburg; 3,010 lbs, Sandgate Castle, Port Natal; 2,504 lbs, Statendam, Rotterdam; 3,553 lbs, Volendam, Amsterdam; (Bermania) 65,159 lbs, Leghorn; 18,436 lbs, Trieste
INSECTICIDE—2,510 lbs, Ponce, San Juan
AGRICULTURAL—7,080 lbs, Statendam, Rotterdam
ISOPROPYL ACETATE—12,960 lbs, Sarcoxie, Havre
KEROSENE—(Martinique) 10,000 gls, Cape Haiti; 3,000 gls, Gonaives; 2,000 gls, Jeremie; 5,000 gls, Aux Cayes; (Sandgate Castle) 5,000 gls, Luderitzbucht; 1,000 gls, Port Natal
LARD—21,000 lbs, Peten, Havana; (San Jacinto) 8,000 lbs, Jobos; 3,100 lbs, Guanica; 32,000 lbs, Mayaguez; (Ponce) 38,742 lbs, San Juan; 2,120 lbs, Humacao; 14,000 lbs, Ponce; 8,000 lbs, Mayagues
LEAD, BLUE COMP—2,381 lbs, Transylvania, Glasgow
LINSEED CAKE. — (Sarcoxie) 789,500 lbs, Havre (Black Osprey) 4,618,017 lbs, Antwerp; 225,777 lbs, Rotterdam; 4,223,990 lbs, Black Condor, Rotterdam; 1,581,137 lbs, President Harding, Havre
MEAL—12,500 lbs, Heroy, St Martin
LUBRICANTS—(Edam) 33,606 lbs, Rotterdam; 27,712 lbs, Amsterdam
MAGNESIA CARBONATE—1,598 lbs, Ulua, Porto Colombia
METHANOL—1,925 gls, Ulua, Cartagena
MOLYBDENUM CONCE—528,641 lbs, Black Osprey, Antwerp
OIL, CASTOR—290 lbs, Musa, Porto Barrios; (San Jacinto) 3,200 lbs, San Juan; 1,502 lbs, Arecibo; 400 lbs, Ponce, Mayaguez
CASTOR SULPHONATED—22,104 lbs, Volendam, Rotterdam
COCONUT—6,242 lbs, Musa, Porto Barrios
CORN—(San Jacinto) 17,954 lbs, San Juan; 940 lbs, Yabucoa; 940 lbs, Arroyo; 1,084 lbs, Mayaguez; 940 lbs, Arecibo
CYLINDER—700 tons, Dordrecht, London
DIESEL—13,750 gls, Cape Corso, Lobito
EDIBLE—1,898 lbs, Sessa, Guayaquil; 4,417 lbs, Mussa, Porto Barrios; (San Jacinto) 908 lbs, Fajardo; 1,867 lbs, Humacao
ESSENTIAL—4,140 lbs, Cape Corso, Saigon
LONG BURNING—800 tons, Dordrecht, London
LUBRICATING—(Sarcoxie) 10,920 gls, Havre; 5,880 gls, Dunkirk; 798 gls, Black Falcon, Rotterdam; (Herov) 1,915 gls, Point Pitre; 2,142 gls, Martinique; 9,125 gls, Trinidad; 2,750 gls, Demarara; (Sessa) 1,870 gls, Buenaventura; 1,925 gls, Iquique; 1,760 gls, Antofagasta; 18,915 gls, Valparaiso; 2,555 gls, Coquimbo; 9,050 gls, Talcahuano; (Exchange) 3,300 gls, Piraeus; 835 gls, Salonica; 4,125 gls, Istanbul; 750 gls, Queen Mary, Southampton; 7,140 gls, Pilsudski, Gdynia; (Saturnia) 1,932 gls, Lisbon; 3,300 gls, Algiers; 210 gls, Naples; 840 gls, Venice; 9,690 gls, Trieste; 1,035 gls, Durazzo; 9,744 gls, Transylvania, Glasgow; (Cape Corso) 665 gls, Leixoes; 7,740 gls, Oporto; 49,605 gls, Lisbon; 8,525 gls, Lobito; 605 gls, Casablanca; 15,015 gls, Saigon; 2,856 gls, Rex, Genoa; 2,320 tons, Dordrecht, London; 3,470 gls, Peten, Havana; (Musa) 2,200 gls, Tela; 8,665 gls, Porto Barrios; 6,707 gls, Black Condor, Rotterdam; (Ile de France) 9,852 gls, Dunkirk; 620 gls, St Nazaire; 9,360 gls, Bordeaux; 9,680 gls, Rouen; 13,896 gls, Havre; (President Harding) 36,330 gls, Havre; 1,650 gls, Paris; 1,210 gls, Sandgate Castle, Durban; 230 gls, Statendam, Amsterdam; (Volendam) 1,375 gls, Rotterdam; 1,470 gls, Amsterdam; 14,230 gls, Edam, Rotterdam; (Bermania) 39,984 gls, Genoa; 42,336 gls, Fiume; 1,008 gls,

OIL, LUBRICATING (Continued):—
Venice; 23,738 gls, Caledonia, Glasgow; 10,225 gls, Ponce, San Juan
OLEO — 47,918 lbs, Transylvania, Glasgow; 6,806 lbs, Black Condor, Rotterdam; 11,560 lbs, Statendam, Rotterdam; 5,556 lbs, Caledonia, Glasgow
PALE—210 tons, Dordrecht, London
PEPPERMINT—620 lbs, Statendam, Amsterdam; 800 lbs, Volendam, Rotterdam
SOYBEAN—9,011 lbs, Peten, Havana
SPINDLE—210 tons, Dordrecht, London
PAINT—80,214 lbs, Sessa, Valparaiso; (Black Osprey) 2,517 lbs, Antwerp; 3,854 lbs, Amsterdam; 7,564 lbs, Musa, Porto Barrios; (San Jacinto) 1,467 lbs, San Juan; 9,814 lbs, Humacao; 2,880 lbs, Jobos; 22,497 lbs, Guanica; 1,295 lbs, Ponce, San Juan; 45,688 lbs, Sandgate Castle, Port Elizabeth
PARAFFIN—(Sessa) 55,413 lbs, Guayaquil; 11,266 lbs, Pisco; 44,480 lbs, Peten, Limon; 52,546 lbs. Musa, Porto Barrios; 2,300 lbs, Ponce, San Juan; 22,540 lbs, President Harding, Hamburg; 11,122 lbs, Statendam, Amsterdam; 33,307 lbs, Volendam, Rotterdam; (Bermania) 110,334 lbs, Genoa; 24,468 lbs, Naples; 33,919 lbs, Fiume
PETROLEUM, REFD — (Ponce) 25,000 gls, San Juan; 5,000 gls, Ponce; 7,500 gls, Mayagues; 2,000 gls, Aguadilla; 8,400 gls, Ulua, Kingston
PHENOL—37,445 lbs, Statendam, Rotterdam
POTASH, NITRATE—1,240 lbs, Ulua, Porto Colombia
RESIN—2,522 lbs, Black Osprey, Basle
SYNTHETIC—7,572 lbs, President Harding, Hamburg
RHUBARB ROOT — 4,970 lbs, Bermania, Genoa
SALT—75,115 lbs, Golden Cloud, Honolulu
SOAP—(San Jacinto) 4,090 lbs, Ponce; 1,385 lbs, Mayagues; (Ponce) 3,010 lbs, San Juan; 4,572 lbs. Fajardo; 6,283 lbs, Ponce; 8,064 lbs, Mayaguez
SODA ASH—(Peten) 32,600 lbs, Havana; 15,322 lbs, Guayaquil
BICARBONATE — 4,120 lbs, Musa, Porto Barrios; 11,990 lbs, Ulua, Porto Colombia; 27,686 lbs, Sandgate Castle, Capetown
BISULPHITE—2,290 lbs, Ulua, Porto Colombia
CAUSTIC—72,000 lbs, Peten, Havana; 3,030 lbs, Ponce, Ponce
CYANIDE—2,475 lbs, Sessa, Tumaco
PHOSPHATE, TRI—22,200 lbs, Black Condor, Rotterdam
SILICATE—2,286 lbs, Volendam, Rotterdam
SULPHATE — 2,020 lbs, Ulua, Cartagena; 5,650 lbs, San Jacinto, San Juan
SULPHIDE—3,283 lbs, Ulua, Porto Colombia
STARCH, WHEAT—9,056 lbs, Caledonia, Glasgow
STEARIN, OLEO—59,192 lbs, Volendam, Rotterdam
SULPHUR—24,904 lbs, Sessa, Buenaventura; 400,000 lbs, Keric, Donnacona
TALLOW—8,387 lbs, Peten, Havana; 23,953 lbs, Ponce, Porto Plata
TANNING EXTRACT, INED—14,414 lbs, Sarcoxie, Havre
TRICHLORETHYLENE—7,486 lbs, Southern Prince, Buenos Aires
TURPENTINE—1,550 gls, Sessa, Valparaiso
UREA—66,900 lbs, President Harding, Havre
VARNISH — 5,545 lbs, Peten, Havana; 1,033 lbs, Golden Cloud, Honolulu
WITCH HAZEL EXTRACT—12,333 lbs, President Harding, Havre
ZINC, CHLORIDE—108 lbs, Ulua, Porto Colombia

Baltimore Exports

Clearance Dates

Capulin, June 22; City of Norfolk, June 24; Cliffwood, June 22; Culberson, June 22; Excello, June 25; Fredhem, June 26; Hammaren, June 25; Noshiro, June 26; Spaarndam, June 26; Uyo, June 26

AMMONIA SULPHATE—1,322,600 lbs, Culberson, Santa Fe
AMYL ACETATE—4,728 lbs, Cliffwood, Buenos Aires
ASPHALT—243,655 lbs, Culberson, Rio Janeiro; 45 dms, Noshiro, Kobe; 22,377 lbs, City of Norfolk, London
CADMIUM LITHOPONE—10,064 lbs, City of Norfolk, London
CALCIUM ARSENATE—2,000 lbs, Culberson, Montevideo
ETHYL CHLORO CARBONATE—160 lbs, Capulin, London
GREASE, LUBRICATING—14,897 lbs, Cliffwood, Santos; 2,000 lbs, City of Norfolk, Oslo
LEAD, ARSENATE—2,000 lbs, Culberson, Montevideo
OIL, FUSEL—1,488 lbs, Cliffwood, Buenos Aires
ENGINE—46 bbls, Excello, Marseille; 473 bbls, Spaarndam, Rotterdam
PORCELAIN, ENAMEL FRIT—(City of Norfolk) 22,500 lbs, Gyoer, Hungary; 140 lbs, Oslo
LIQUID—564 lbs, City of Norfolk, Gyoer, Hungary
POTASH BICHROMATE—(City of Norfolk) 22,400 lbs, London; 2,286 lbs, Memel; 2,205 lbs, Hammaren, Aarhus; 2,205 lbs, Fredhem, Rio Grande do Sul
SAND, IRON—44,000 lbs, Cliffwood, Buenos Aires; 44,000 lbs, Hammaren, Helsingfors
PREPARED—1,506 lbs, City of Norfolk, London
SELENIUM, POWD—551 lbs, City of Norfolk, Bombay
SODA, ALUMINATE—37,902 lbs, City of Norfolk, London
BICHROMATE—(City of Norfolk) 22,400 lbs, London; 2,000 lbs, Memel; 16,800 lbs, Spaarndam, Rotterdam
TITANIUM LITHOPONE—(Capulin) 4,800 lbs, Leith; 4,800 lbs, Hull; 7,600 lbs, City of Norfolk, London; 1,600 lbs, Hammaren, Gothenburg

Beaumont Exports

Clearance Dates

Albert L Ellsworth, June 29; Kaldfonn, June 26

PETROLEUM, CRUDE—100,767 bbls, Kaldfonn, Buenos Aires; 95,500 bbls, Albert L Ellsworth, Montreal

Boston Exports

Clearance Dates

American Importer, June 26; Artigas, June 23; Beemsterdijk, June 29; Black Tern, June 29; Bordeaux, July 1; Capulin, June 30; Carinthia, June 26; Marwarri, June 28; Newfoundland, June 25; President Polk, June 21; Saint John, June 27, 29; San Bruno, July 1; Yarmouth, June 26, 30

ACETONE—10 dms, 3,500 lbs, San Bruno, Havana
ACID, SULPHURIC—30 crbys, 5,400 lbs, San Bruno, Havana
ALCOHOL, AMYL—235 dms, 88,125 lbs, Capulin, London
ALUMINA OXIDE—1 bx, 1,930 bgs, 70 kgs, 214,779 lbs, Marwarri, London
ANTIKNOCK REAGENT — 10 dms, Artigas, Berlin
ASBESTOS FIBRE — 3,000 bgs, 300,000 lbs, Bordeaux Maru, Kobe
ASPHALT—9 dms, 4,170 lbs, Newfoundland, Lancashire
BAKING POWDER—75 bxs, 2,250 lbs, Newfoundland, St John's, N F
BLEACHING POWDER—3 crtns, Newfoundland, St John's, N F
CEMENT—1 dm, 40 lbs, Newfoundland, St John's, N F
BELT—1 cs, 10 bls, 2,315 lbs, President Polk, Shanghai
CAN—2 dms, 947 lbs, Artigas, Vigo; (Capulin) 2 dms, 949 lbs, Vigo; 35 dms, 1,645 lbs, London
RUBBER—1 dm, 477 lbs, Newfoundland, St John's, N F; 4 pls, 2 bxs, 207 lbs, Capulin, Helsingfors; 23 dms, 4 cs, 207 gls, San Bruno, Havana
CHEMICALS—4 crtns, 400 lbs, Artigas, London
CLAY—199 bbls, 24 tons, Marwarri, London
CLEANER—6 crts, 1,200 lbs, President Polk, Honolulu
FLUID—1 cs, 76 lbs, American Importer, Leeds
COALTAR INTERMEDIATES—5 bbls, 1,259 lbs, Capulin, Hamburg
DIAMOTACEOUS EARTH—2,688 bgs, 134,400 lbs, American Importer, Liverpool; 900 bgs, 45,000 lbs, Marwarri, London
DISINFECTANT—1 bbl, 4 cs, 486 lbs, Newfoundland, St John's, N F
DRESSING BELT—1 cs, 106 lbs, Carinthia, Bombay
LEATHER—6 dms, 230 lbs, Newfoundland, St John's, N F; 60 dms, 1,000 gls, Artigas, Walsall, Eng; 60 dms, 1,000 gls, Marwarri, Walsall; 10 dms, 3,342 lbs, Capulin, London; 3 cs, 117 lbs, San Bruno, Kingston
SHOE—8 cs, 4 bxs, President Polk, Manila; 2 kgs, 1 cs, 6 bbls, 348 gls, San Bruno, Havana
DRUGS—2 pkgs, 65 lbs, Yarmouth, Halifax
DYE, SHOE—1 cs, 17 lbs, Carinthia, Leicester
FERTILIZER, COCOA WASTE — 1,599 bgs, 253,463 lbs, Beemsterdijk, Amsterdam
FILLER—50 ctns, Marwarri, London
FINISH, LEATHER—1 half bbl, 25 gls, San Bruno, Santa Clara
FLUX—6 dms, 810 lbs, San Bruno, Havana
GASOLINE—(Artigas) 3 bxs, 9 gls, London; 12 dms, 624 gls, Salzbergen
GLASS, PLATE—2 cs, 250 sq feet, Newfoundland, Curling, N F
GLUE, FISH—13 bbls, 710 gls, Artigas, London
PHOTO-ENGRAVING—12 cs, 360 lbs, Artigas, Hamburg
GUM, SYNTHETIC COMP—2 bbls, 1,000 lbs, Marwarri, London
INK, PRINTING—100 dms, 44,472 lbs, American Importer, Manchester
WRITING—23 pkgs, San Bruno, Kingston
INVALID'S FOOD—4 cs, 48 lbs, San Bruno, Havana
LACQUER—1 bx, 70 lbs, Marwarri, London; 4 dms, 1,590 lbs, Black Tern, Wiltz
LARD—10 trcs, 3,915 lbs, Artigas, Cork
LINING COMP—(Artigas) 15 dms, 690 lbs, Malmo; 10 dms, 4,065 lbs, London; 300 dms, 13,800 lbs, Hamburg; 4 dms, 2,288 lbs, Black Tern, Antwerp
MEDICINAL PREPS—568 bxs, 2,840 gls, Marwarri, London; 86 pkgs, 2,590 lbs, Capulin, London; 2 cs, 114 lbs, San Bruno, Havana
MUCILAGE—1 crtn, 20 lbs, San Bruno, Fort Sherman, C Z
OIL, CREOSOTE—5 bbls, 250 gls, San Bruno, Havana
FLOOR—3 cs, 342 lbs, Black Tern, Aarau, Switzerland
LUBRICATING—25 bbls, Saint John, N B; 10 half dms, 3 cs, Newfoundland, St John's, N F
NEATSFOOT—10 bbls, 4,018 lbs, Artigas, Hamburg
MACHINE—1 cs, 5 gls, Newfoundland, St John's, N F
OLEO—10 trcs, 3,980 lbs, Artigas, Cork
TANNER'S—2 bbls, 886 lbs, Carinthia, Wellingborough, Eng
PAINT—7 cs, 2 bxs, 48¾ gls, Newfoundland, St John's, N F
COPPER—10 cs, 100 gls, San Bruno, Colon
PASTE, ADHES—3 pkgs, 151 lbs, San Bruno, Kingston, Jamaica
FLOUR, DRY—2 cs, 50 lbs, Artigas, Tammerfors, Finland
POLISH, METAL—9 crts, 399 lbs, San Bruno, Havana
SHOE—26 bxs, 1,118 lbs, San Bruno, Havana
STOVE—5 dms, 475 lbs, Beemsterdijk, Rotterdam
RETARDER — 25 bgs, 2,000 lbs, Carinthia, Birmingham, Eng
ROSIN, GUM—5 bbls, 2,415 lbs, Saint John, St John, N B
SILICON CARBIDE—6 kgs, 2 bxs, 810 lbs, Marwarri, London
SOAP, CASTILE—38 cs, 3,219 lbs, Yarmouth, Yarmouth
TAR—35 cs, 1,589 lbs, San Bruno, Havana
TOILET—35 cs, 853 lbs, San Bruno, Havana
SODA, SULPHATE—125 bbls, 150 bgs, 52,500 lbs, San Bruno, Havana
SOLDER—1 cs, 351 lbs, Newfoundland, St John's, N F
SOLVENT—1 cs, 25 lbs, Newfoundland, St John's, N F
STEARIN, OLEO—10 trcs, 5,035 lbs, Artigas, Cork
TANNING FINISH—10 bbls, 4,624 lbs, American Importer, Leeds
TARTAR COMP—1 crtn, 60 lbs, Newfoundland, St John's, N F
TURPENTINE, GUM — 1 dm, 52 gls, Saint John, Hartland, N B
VARNISH—7 cs, 39 gls, Newfoundland, St John's, N F; 1 bbl, 76 lbs, Marwarri, London
WAX, SEALING—1 cs, 45 lbs, President Polk, Manila; 1 cs, 145 lbs, Artigas, London
SHOE—2 dms, 10 gls, Newfoundland, Truro, N S

Corpus Christi Exports

Clearance Dates

W E Hutton, June 22; Karabagh, June 21; Pluvoise, June 21; Roxane, June 22

OIL, GAS—72,882 bbls, Karabagh, Lands End
PETROLEUM, CRUDE—100,200 bbls, Pluvoise, Port de Bouc; 85,831 bbls, Roxane, Berre; 74,262 bbls, W E Hutton, Smiths Bluff

Galveston Exports

Clearance Dates

ernbank, June ..:; TAOIN HRDLU AOIN
Almeria Lykes, June 29; Floride, June 25; Leerdam, June 28; Levernbank, June 29; Nemaha, June 29; Schwanheim, June 28

BLACK, CARBON—750 bgs, Leerdam, London; 20 tons, Nemaha, Havre
FIRECLAY—62 tons, Almeria Lykes, Corinto
MOLYBDENITE—440 bbls, Floride, Marseilles; 264 bbls, Leerdam, London
SULPHUR—350 tons, Schwanheim, Hamburg; (Leerdam) 600 sx, London; 480 sx, Amstermem; (Levernbank) 4,000 tons, Port Kembla; 1,500 tons, Sydney; 2,200 tons, New Castle

Houston Exports

Clearance Dates

Brumaire, June 24; Dryden, June 26; Floride, June 28; Georgia, June 25; Leerdam, June 25; Almeria Lykes, June 28; Montreal, June 29; Nemaha, June 26; Nicolo Odero, June 24; Quistconck, June 29; Sitala, June 28; Tortugas, June 28

ASPHALT—100 pkgs, Dryden, Shanghai; 10 dms, Tortugas, Oslo
BLACK, CARBON—500 bgs, 125 cs, Nicolo Adero, Genoa; 75 tons, Georgia, Copenhagen; (Leerdam) 200 tons, London; 8 tons, Leith; 34 tons, Calcutta; 7 tons, Glasgow; 7 tons, Hull; 99 tons, Antwerp; 41 tons, Rotterdam; 21 tons, Amsterdam; (Nemaha) 580 cs, 500 bgs, Havre; 175 cs, 1,500 bgs, Antwerp; 4 bgs, Dryden, Shanghai; (Floride) 150 tons, Havre; 25 tons, Antwerp; (Tortugas) 233 cs, Oslo, 1,027 cs, Gothenburg; 2,240 bgs, Gdynia; (Quistconck) 25 cs, Genoa; 22 cs, Piraeus; 52 cs, Susak; 5 tons, Montreal, Melbourne transshipment, Kobe
GASOLINE—8 tons, Almeria Lykes, Cristobal
GREASE, LUBRICATING — 25 bbls, Quistconck, Genoa
LUBRICANTS — (Tortugas) 581 pkgs, Oslo; 149 pkgs, Copenhagen
OIL—(Almeria Lykes) 1 ton, Cristobal; 52 tons, Cartagena
GAS—8,400 tons, Sitala, Greece
LUBRICATING—75 bbls, Leerdam, Rotterdam
PETROLEUM, CRUDE — 12,000 tons, Brumaire, Havre
POTASH, MURIATE — (Montreal) 1,000 tons, Yokohama; 200 tons, Osaka
SULPHUR—700 sx, Tortugas, Gothenburg; 7 tons, Almeria Lykes, Havana

Lake Charles Exports

Clearance Dates

Cliona, June 25; Cranford, June 19; Spondilus, June 20

GLUCOSE—60 bbls, Cranford, Dublin
PETROLEUM, CRUDE—75,935 bbls, Spondilus, Montreal; 91,224 bbls, Cliona, Montreal

Los Angeles Exports

Clearance Dates

Athelmonarch, June 26; Athelviscount, June 23; Capella, June 22; Condor, June 18; Eagle, June 26; El Mirlo, June 22; Elbe, June 17; Falkefjell, June 24; Ferncliff, June 23; Hardanger, June 19; Hauraki, June 21; Oakland, June 15; President Adams, June 16; Providencia, June 25; Reaper, June 25; Rochelle, June 17; Santa Maria, June 24; Tai Shan, June 16; Taketoyo, June 20

ACID, BORIC—30 cks, 6,720 lbs, President Adams, Hankow; 400 bgs, 44,800 lbs, Elbe, Rotterdam; 600 bgs, 67,200 lbs, Lochmonar, Glasgow; 20 bgs, 2,240 lbs, Hauraki, Wellington
ASPHALT, SOLID—54 bbls, 28,270 lbs, Santa Maria, Balboa
BORATE—(Oakland) 6,700 bgs, 1,116,920 lbs, Bremen; 9,308 sx, 1,832,020 lbs, Hamburg; 100 lbs, Tai Shan, Manila; (Elbe) 2,680 bgs, 456,930 lbs. Bremen; 2,088 bgs, 4,206,470 lbs, Hamburg; 6,270 bgs, 1,238,240 lbs, Lochmonar, London; 20 bgs, 2,240 lbs, Hauraki, Dunedin
BORAX—(President Adams) 30 cks, 6,720 lbs, Hankow; 107 bgs, 11,980 lbs, Hongkong; 600 bgs, 67,200 lbs, Elbe, Rotterdam; (Oakland) 494 bgs, 55,210 lbs, Antwerp; 8,000 sx, 896,000 lbs, Hamburg; 5,700 bgs, 638,400 lbs, Elbe, Rotterdam; (Lochmonar) 1,800 bgs, 201,600 lbs, Glasgow; 2,600 bgs, 291,200 lbs, Liverpool; 4,000 bgs, 448,000 lbs. Rotterdam; 400 bgs, 448,000 lbs, Rotterdam; (Hauraki) 220 bgs, 24,640 lbs, Wellington; 130 bgs, 14,500 lbs, Auckland; 40 bgs, 4,480 lbs, Lyttelton
CLAY—120 sx, 6,000 lbs, President Adams, Cairo; 300 sx, 31,300 lbs, Lochmonar, London
FILTER—200 sx, 10,000 lbs, Elbe, Hamburg; 1,100 bgs, 61,600 lbs, Hardanger, Buenos Aires
GASOLINE—(Condor) 130 dms, 42,800 lbs, Tegucigalpa; 2,500 dms, 823,450 lbs, Puntarenas; 130 dms, 1,500 cs, 186,030 lbs, Providencia, Santa Rosalia; 10,423 bbls, 2,720,400 lbs, Reaper, Mount Hope
GREASE, LUBRICATING—2 bbls, 8 qtr bbls, 1,660 lbs, Hauraki, Auckland
INFUSORIAL EARTH—(Elbe) 219 bgs, 22,400 lbs, Hamburg; 108 bgs, 11,200 lbs, Antwerp; 679 bgs, 67,650 lbs, Vienna; 220 bgs, 22,400 lbs, Hardanger, Buenos Aires; (Lochmonar) 110 bgs, 11,200 lbs, Lisbon; 148 bgs, 14,340 lbs, Liverpool; 672 bgs, 67,420 lbs, Hauraki, Auckland
KEROSENE—(Hauraki) 60 dms, 150 cs, 34,420 lbs, Wellington; 50 cs, 4,250 lbs, Papeete; 60 dms, 315 cs, 47,860 lbs, Auckland; 75 cs, 6,380 lbs, Lyttelton; 40 dms, 500 cs, 56,750 lbs, Providencia, Santa Rosalia
LACQUER—3,310 lbs, President Adams, Manila
MINERAL SPTS—50 dms, 16,760 lbs, Hardanger, Buenos Aires
OIL, DIESEL—35,224 bbls, 10,989,890 lbs, Athelviscount, Tsurumi; 50 dms, 19,660 lbs, Condor, Tegucigalpa; 37,276 bbls, 11,630,110 lbs, Athelmonarch, Osaka; 3,551 bbls, 1,107,910 lbs, Ferncliff, Yokohama; 95,306 bbls, 29,735,470 lbs, Capella, Japan
FUEL—53,243 bbls, 17,729,920 lbs, Athelviscount, Tsurumi; 20 dms, 8,320 lbs, Condor, Tegucigalpa; 19,423 bbls, 6,467,860 lbs, Athelmonarch, Osaka; 83,933 bbls, 26,187,100 lbs, Santa Maria, Balboa; 77,614 bbls, 25,845,460 lbs, El Mirlo, Chanaral
GAS—53,624 bbls, 16,194,450 lbs, Strombo, Lands End; 85,049 bbls, 25,684,800 lbs, Falkefjell, Curacao
LEMON—300 lbs, Oakland, Hamburg; 80 lbs, President Adams, Manila; 350 lbs, Elbe, Leipzig; (Lochmonar) 1,900 lbs, Liverpool; 2,000 lbs, London
LUBRICATING—15 dms, 7,370 lbs, Condor, Tegucigalpa; 81 dms, 246 cs, President Adams, Shanghai; 48 bbls, 440 cs, 63,510 lbs, Hauraki, Auckland
PECTIN, CITROUS — (Lochmonar) 1,500 lbs, London; 1,500 lbs, Rotterdam
POTASH, MURIATE — 3,068 bgs, 440,920 lbs, Taketoyo, Yokohama
ROSIN—44,700 lbs, Hauraki, Wellington
GUM — (Hauraki) 40,000 lbs, Wellington; 25,000 lbs, Lyttleton
SODA ASH — 200 lbs, Tai Shan, Manila; (Hauraki) 403 sx, 80,600 lbs, Lyttleton; 50 bgs, 11,200 lbs, Christchurch
TALC — 180 sks, 17,020 lbs, President Adams, Manila
TOILET PREPS — (President Adams) 400 lbs, Suez; 500 lbs, Singapore; 600 lbs, Manila; 390 lbs, Tai Shan, Manila
TURPENTINE SPIRITS — (Hauraki) 55 cs, 4,650 lbs, Wellington; 125 cs, 10,560 lbs, Auckland; 100 cs, 8,170 lbs, Lyttleton

New Orleans Exports

Clearance Dates

Cranford, June 12; Maddalena Odero, June 1; Monrosa, June 4; Morazan, June 10; Tegucigalpa, June 3; Wawa, June 10

ASPHALT—51 sks, Cranford, Dublin
GRITS—45 tons, Maddalena Odero, Genoa
BLACK, CARBON—264 cs, Monrosa, Genoa; 28 tons, Maddalena Odero, Genoa (Cranford) 100 cs, Dublin; 2,444 sks, Glasgow
CLAY—(Cranford) 300 sks, Glasgow; 220 sks, Avonmouth
COTTONSEED — 10 tons, Maddalena Odero, Genoa
DRESSING, LEATHER—6 tons, Tegucigalpa, Tampico
GASOLINE—42 tons, Maddalena Odero, Genoa; 10 dms, Wawa, Alvaro Obregon
GLUCOSE—210 bbls, Cranford, Avonmouth
KEROSENE—12 dms, Wawa, Alvaro Obregon
LARD—600 tins, Tegucigalpa, Tampico
LICORICE MASS—1 ton, Morazan, Vera Cruz
OIL, FUEL—300 bbls, Wawa, Alvaro Obregon
LUBRICATING—(Monrosa) 38 bbls, Oran; 109 bbls, Algiers; 134 bbls, Marseilles; 249 tons, Maddalena Odero, Genoa; 10 dms, Wawa, Alvaro Obregon; (Cranford) 201 bbls, Glasgow; 65 dms, Belfast
PARAFFIN—340 sks, Tegucigalpa, Vera Cruz; 1,255 sks, Morazan, Vera Cruz; 210 sks, Cranford, Avonmouth
CRUDE—563 bbls, Cranford, Glasgow
PETROLATUM—60 dms, Morazan, Vera Cruz
PINETAR—20 dms, Morazan, Vera Cruz
STARCH—688 sks, Cranford, Avonmouth
TANNING EXTRACT—380 sks, Tegucigalpa, Vera Cruz
TURPENTINE — 4 tons, Maddalena Odero, Genoa

Philadelphia Exports

Clearance Dates

Black Heron, June 30; Cliffwood, June 25; Culberson, June 24; Gloucester City, June 28; Idarwald, June 26; Kiyokawa, July 1; Manchester Exporter, June 29; Rhexenor, June 25; San Angelo, June 28; Svaneholm, June 26; West Calumb, June 29

ALCOHOL, AMYL — 1 bx, Idarwald, Berlin
BLACK, LAMP—30 pkgs, Manchester Exporter, Manchester
CEMENT, FIBRE—12 dms, Culberson, Buenos Aires; 1 dm, Idarwald, Bucharest
RUBBER—6 dms, Culberson, Buenos Aires; 2 dms, Idarwald, Bucharest; 7 dms, 1 cs, Black Heron, Antwerp
CHLORINE, LIQ—6 cyls, San Angelo, Panama
COALTAR INTERMEDIATES—18 pkgs, Manchester Exporter, Manchester
DYEWOOD EXTRACT — (Manchester Exporter) 30 bbls, Liverpool; 5 bbls, Manchester
FIRECLAY—62 dms, Rhexenor, Singapore
GLAZE—1 cs, Culberson, Buenos Aires
GLUE—60 pkgs, Manchester Exporter, Manchester
GRAPHITE POWDER—6 bbls, Cliffwood, Montevideo
GREASE, LUBRICATING — 4 dms, 1 pl, Culberson, Buenos Aires; (Cliffwood) 26 bbls, Rio de Janeiro; 64 cs, 10 dms, 30 pls, 18 pkgs, 8 bbls, Santos; 10 bkts, 15 bbls, Rio Grande do Sul; (Idarwald) 56 dms, Hamburg, 1 dm, Bucharest; 15 bbls, 4 dms, 2 pls, Black Heron, Antwerp; 27 cs, 20 pls, 13 dms, San Angelo, Bogota; 78 pkgs, Manchester Exporter, Liverpool
LARD—101 pkgs, Manchester Exporter, Manchester
LICORICE MASS — 3 cs, Cliffwood, Rio de Janeiro; 90 pkgs, Manchester Exporter, Liverpool
LIGNIN LIQUOR — 65 bbls, 1 bg, Gloucester City, Bristol
LINSEED CAKE—10,226 bgs, Black Heron, Antwerp
MEAL—1,827 bgs, Black Heron, Rotterdam
MANGANESE ORE — 551 bgs, Cliffwood, Montevideo
MEDICINAL TINCTURES — 2 cs, Cliffwood, Buenos Aires
MINERAL SPTS—200 cs, 38 dms, San Angelo, Cristobal
OIL, LONG BURNING—650 cs, Cliffwood, Rio Grande do Sul; 60 cs, San Angelo, Cristobal
LUBRICATING—9 dms, Culberson, Buenos Aires; (Cliffwood) 242 dms, 20 bbls, Rio de Janeiro; 431 cs, 175 dms, Santos; 50 ctns, 225 dms, 60 cs, 10 bkts, Rio Grande do Sul; 40 cs, 20 dms, Buenos Aires; (Rhexenor) 574 pkgs, Singapore; 208 dms, 621 pkgs, Penang; 698 pkgs, Port Swettenham; 177 pkgs, Palembang; 56 pkgs, Padang; 389 pkgs, Medan; 25 pkgs, Pangkalpinang; 279 pkgs, Macassar; 598 pkgs, Bangkok; 575 pkgs, Sourabaya; 338 pkgs, Samarang; 364 pkgs, Batavia; 49 pkgs, Sibolga; (Idarwald) 738 bbls, 65 dms, Hamburg; 406 bbls, Prague; 5 dms, Bucharest; 35 bbls, and a quantity, Black Heron, Antwerp; (Svaneholm) 50 bbls, Copenhagen; 276 pkgs, Gothenburg; 69 pkgs, Helsingborg; 54 pkgs, Sundsvall; 19 dms, 481 pkgs, Stockholm; 124 pkgs, Malmo; 114 pkgs, Norrkoeping; 10 pkgs, Abo; (Gloucester City) 6 bbls, Bristol; 40 bbls, Cardiff; 1,734 dms, West Calumb, Montevideo; (San Angelo) 64 cs, 49 dms, Panama; 6 dms, 5 cs, Mollendo; 50 dms, Salaverry; 1 cs, La Paz; 30 dms, Lima; 65 dms, Callao; 10 dms, 21 cs, Bogota; (Manchester Exporter) 45 bbls, 201 pkgs, Liverpool; 15 pkgs, Manchester; 25 dms, Kiyokawa, Osaka; 20 dms, Black Heron, Antwerp
NEATSFOOT—47 bbls, Idarwald, Hamburg; 10 bbls, Black Heron, Brussels
PAINT—81 dms, 425 pls, Culberson, Buenos Aires; 5 cs, 5 dms, Idarwald, Bucharest; 3 pls, 2 dms, Black Heron, Antwerp
PARAFFIN—150 cs, Cliffwood, Rio de Janeiro; 426 bbls, Idarwald, Hamburg; 15 bgs, Black Heron, Rotterdam; (Svaneholm) 1 cs, (samples) Copenhagen; 200 bgs, Gothenburg; 830 bbls, Sundsvall; 126 bbls, Gloucester City, Bristol
REFINED—2 bxs, Cliffwood, Buenos Aires; 415 bbls, Idarwald, Hamburg; 75 bgs, San Angelo, Guayaquil
POLISH—1 pl, Culberson, Buenos Aires
SODA BICHROMATE—2 cs, Culberson, Buenos Aires
SOLDER DROSS — 17 dms, Gloucester City, Bristol
TANNING EXTRACT — 10 pkgs, Manchester Exporter, Manchester
TURPENTINE SUBSTITUTE — 200 cs, Cliffwood, Rio Grande do Sul

Port Arthur Exports

Clearance Dates

Anhalt, June 25; Clearwater, June 24; Cordelia, June 22; Dirigo, June 21; Dryden, June 23; Gianna, June 22; Nueva Granada, June 21; Vendemfare, June 24

ASPHALT, PETROLEUM—(Dryden) 40 dms, Manila; 805 dms, Shanghai; 900 dms, Yokohama; 75 dms, Cebu; 750 dms, Hongkong; (Clearwater) 1,504 dms, 8 cs, Santos; 5 cs, Florianopolis; 500 dms, Montevideo; (Anhalt) 804 dms, 100 cs, Auckland; 2,886 dms, 30 cs, Wellington; 10 dms, 10 cs, Lyttleton; 5 dms, 40 cs, Dunedin

ETHYL FLUID—12 dms, Dirigo, Antwerp

FULLER'S EARTH—(Dryden) 100 dms, Manila; 5 bgs, Shanghai

GASOLINE—68,098 bbls, Dirigo, Antwerp; (Nueva Granada) 59,147 bbls, Thameshaven; 43,363 bbls, Liverpool; 14,822 bbls, Cordelia, Montreal; (Clearwater) 5,000 cs, Bahia; 1,000 cs, Victoria; 800 cs, Santos; 2,500 cs, Florianopolis; 500 cs, Montevideo; 3,000 cs, Corumba

GREASE, LUBRICATING—(Dryden) 343 dms, 1,955 cs, Manila; 1,457 dms, 77 cs, Shanghai; 525 dms, 40 cs, Kobe; 8 dms, 40 bbls, Osaka; 355 dms, 324 cs, Cebu; 1,531 dms, 280 cs, Hongkong; (Clearwater) 45 cs, 10 kgs, Bahia; 125 cs, 70 bbls, 30 dms, Rio de Janeiro; 200 dms, 245 cs, Santos; 4 bbls, Sao Paulo; 4 dms, 85 cs, Florianopolis; (Anhalt) 106 dms, 230 cs, Auckland; 2,705 dms, 600 cs, Wellington; 39 dms, 137 cs, Lyttleton; 3,552 dms, 39 cs, Dunedin

KEROSENE—7,459 bbls, Nueva Granada, Thameshaven; 10 dms, Dryden, Shanghai; (Clearwater) 10,897 cs, Bahia; 5,000 cs, Victoria; 350 cs, Rio de Janeiro; 500 cs, Santos; 7,500 cs, Florianopolis; 3,000 cs, Montevideo; 1,000 cs, Corumba; (Anhalt) 2,400 cs, Auckland; 500 cs, Wellington

NAPHTHA—(Clearwater) 200 cs, Rio de Janeiro; 1,400 cs, Santos; 3 cs, Florianopolis

OIL, DIESEL—7,171 bbls, Nueva Granada, Liverpool; (Anhalt) 300 dms, Wellington; 250 cs, Lyttleton; 250 dms, Dunedin; 200 dms, Clearwater, Bahia

LUBRICATING—1,601 dms, Dirigo, Antwerp; (Dryden) 595 dms, 325 cs, Manila; 1,572 dms, 1,190 cs, Shanghai; 150 dms, 10 cs, Yokohama; 225 dms, 10 cs, Kobe; 239 dms, 150 cs, Osaka; 1,250 dms, 630 cs, Cebu; 484 dms, 605 cs, Hongkong; (Clearwater) 314 dms, 10 cs, Bahia; 40 cs, Victoria; 676 dms, 41 cs, Rio de Janeiro; 385 dms, 535 cs, Santos; 17 bbls, Sao Paulo; 8 cs, 41 dms, Florianopolis; (Anhalt) 3,183 dms, 623 cs, Auckland; 137 dms, 159 cs, Wellington; 953 dms, 376 cs, Lyttleton 515 dms, 166 cs, Dunedin

PAINT SOLVENT—(Dryden) 60 dms, Shanghai; 50 dms, Kobe; 200 dms, Hongkong; (Anhalt) 200 cs, Auckland; 50 dms, 50 cs Wellington; 75 cs, Lyttleton; 100 dms, 350 cs, Dunedin

PETROLEUM, CRUDE—78,135 bbls, Cordelia, Montreal; 98,768 bbls, Vendemaire, Havre; 38,874 bbls, Gianna, Venice

WAX—1,000 bgs, Dirigo, Antwerp; 58,874 bbls, Gianna, Venice; (Clearwater) 86 cs, Rio de Janeiro; 22 cs, 52 bgs, Santos; 150 cs, Anhalt, Auckland

DRESSING—5 dms, Dryden, Kobe

San Francisco Exports

Clearance Dates

Canada, June 21; Hauraki, June 19; Mariposa, June 21; President Adams, June 21; Providencia, June 23; Rochelle, June 21; Salawati, June 22; Santa Maria, June 22; Warwick, June 19

ABRASIVE PAPER—(President Adams) 6 rls, Manila; 3 ctrs, Shanghai

ACETATE—(Hauraki) 3 dms, Auckland; 6 dms, Wellington; 8 dms, Christchurch

ACETONE—43 dms, Hauraki, Melbourne

ACID, BORIC—(Hauraki) 60 sks, Auckland; 20 sks, Lyttleton; 65 sks, Mariposa, Australia

FORMIC—1 crby, Rochelle, Vancouver

OXALIC—1 bbl, Rochelle, Vancouver

ALCOHOL, BUTYL—5 dms, Rochelle, Calgary

AMMONIAC, SAL—22 dms, Rochelle, Vancouver; 1 cs, Providencia, Santa Rosalia

ASPHALT—(Hauraki) 132 dms, Sydney; 253 dms, Auckland; 175 dms, Sydney; 304 dms, Melbourne; (President Adams) 1,824 dms, Shanghai; 255 dms, Singapore; 210 sks, Osaka; 50 dms, Hongkong; 200 bbls, Rochelle, Port Moody; 220 sks, 329 dms, Mariposa, Australia; (Santa Maria) 200 dms, Balboa; 75 dms, Panama

GILSONITE—29 sks, Mariposa, Australia; (Canada) 110 sks, Amsterdam; 197 sks, Copenhagen

BAY LEAVES—1 bl, President Adams, Shanghai

BENZIN—(Hauraki) 5 dms, Wellington; 5 dms, Lyttleton; 50 dms, Sydney

BLACK, CARBON—5 cs, Hauraki, Dunedin; 2 bbls, Rochelle, Victoria; 273 cs, Mariposa, Australia

BLUE, BEARING—1 cs, Hauraki, Wellington

BONE ASH—10 bls, Rochelle, Vancouver

BORDEAUX MIXTURE—35 cs, Hauraki, Wellington

BORAX—20 sks, Hauraki, Lyttleton; 220 sks, Mariposa, Australia; 1 cs, Providencia, Santa Rosalia

CALCIMINE—10 cs, Hauraki, Wellington

CARBON BISULPHIDE—2 cs, Providencia, Santa Rosalia

CASCARA BARK—17 sks, Mariposa, Australia

CEMENT, CAN—60 dms, Rochelle, Vancouver

ROOF—40 pls, President Adams, Hongkong

CHALK, PRECIP—8 sks, Providencia, Santa Rosalia

PREPARED—2 cs, Mariposa, New Zealand

CHEMICALS—(President Adams) 3 dms, Manila; 1 cs, Padang; 5 cs, Mariposa, Australia

CHILLPROOFING PREP—1 cs, President Adams, Hongkong

CINNAMON—1 bl, Providencia, Santa Rosalia

CLAY—520 sks, Mariposa, New Zealand

CLEANER—16 dms, President Adams, Bahrein

GLASS—60 cs, Rochelle, Port Moody; (Santa Maria) 2 cs, Port Amador; 13 cs, Panama

CLOVES—1 cs, Providencia, Santa Rosalia

COCOA BEANS—272 sks, Mariposa, Australia

COLOR, CADMIUM—10 bbls, Mariposa, Australia

DRY—1 kg, President Adams, Kobe

DENTIFFRICES—(Mariposa) 2 cs, Fiji Islands; 1 cs, Samoa

DEXTROSE—2 dms, President Adams, Shanghai

DISINFECTANT—2 dms, President Adams, Seoul

DRUGS—(President Adams) 28 cs, Hangkong; 110 cs, Manila; 20 pkgs, Madras; 1 cs, Jeddah; 23 cs, Bombay; (Mariposa) 20 pkgs, Australia; 6 cs, Samoa; 2 cs, Providencia, Santa Rosalia

EARTH, MINERAL—20 cs, Rochelle, Vancouver

FILLER, WOOD—(Hauraki) 1 cs, Auckland; 2 cs, Wellington

FIRECLAY—65 dms, Mariposa, Australia

GASOLINE—(Hauraki) 400 dms, Wellington; 250 dms, Lyttleton; 450 dms, Dunedin; 365 cs, 100 dms, Rarotonga; 400 dms, Auckland; (Santa Maria) 50 dms, Panama; 100 cs, Panama

GINGER ROOT—66 sks, Mauraki, Adelaide; 27 bbls, Mariposa, Australia

GLASS SHEET—20 cs, President Adams, Manila

GLYCERIN—1 cs, President Adams, Bahrein

GRAPHITE—3 bbls, Hauraki; Christchurch

GREASE, LUBRIC—(Hauraki) 5 cs, 20 dms, 8 bbls, Wellington; 10 dms, Lyttleton; 35 dms, Melbourne; 10 dms, 5 cs, Auckland; (President Adams) 46 dms, Singapore; 15 dms, Shanghai; 8 cs, Manila; (Rochelle) 103 bbls, 160 pls, 10 cs, Port Moody; 4 dms, Vancouver; 165 dms, Mariposa, Australia; (Santa Maria) 229 cs, 65 pls, 41 dms, Panama; 9 pls, 1 bbl, 3 cs, 8 qtr dms, 1 hlf dm, Corozal; 10 pls, Santa Maria, Albrook Field

GUM COMPOUND, SYNTH—8 cs, Mariposa, Australia

CONGO—2 sks, President Adams, Shanghai

HYDRAULIC LIQUID—1 cs, Hauraki, Wellington

HYDROGEN PEROXIDE—(Hauraki) 92 cs, Auckland; 14 cs, Wellington; 40 cs, Lyttleton; 15 cs, Christchurch; 18 cs; Dunedin; 43 cs, Mariposa, New Zealand

INK, PRINTING—(President Adams) 5 dms, 10 kits, Manila; 54 pls, 1 cs, 5 kgs, 3 dms, Shanghai; 1 dm, Hongkong; 1 kit, 11 pls, Rochelle, Vancouver

WRITING—(President Adams) 70 cs, Singapore; 84 cs, Penang; 1 cs, Batavia

INSECTICIDE—2 cs (Mariposa) Fiji Islands; 12 sks, Australia

AGRICULTURAL—(Hauraki) 19 cs, Lyttleton; 50 cs, Wellington

HOUSEHOLD—16 cs, (President Adams, Hongkong; 5 bbls, Rochelle, Port Moody

LIQUID—3 cs, President Adams, Jeddah; 30 cs, Rochelle, Port Moody; 1 cs, Mariposa, Fiji Islands; 60 cs, Santa Maria, Panama

SPREADER—55 cs, Hauraki, Dunedin

KEROSENE—(Hauraki) 500 dms, Melbourne; 10 dms, Auckland; 4,000 cs, Santa Maria, Panama

LACQUER—(Hauraki) Auckland; 30 cs, 2 dms, 30 pls, Wellington; 25 cs, Christchurch; 8 cs, President Adams, Manila

THINNER—1 cs, Hauraki, Wellington; (President Adams) 1 cs, Bombay; 9 cs, 20 dms, Calcutta

LEAD ARSENATE—(Hauraki) 25 dms, Dunedin; 20 dms, Lyttleton; 40 dms, Wellington

RED, DRY—12 dms, President Adams, Manila; 3 dms, Rochelle, Vancouver

LIGHTER FLUID—30 cs, Rochelle, Port Moody; 7 cs, Santa Maria, Panama

LITHARGE—(President Adams) 1 keg, Bahrein; 8 dms, Manila

DRY—3 dms, Rochelle, Vancouver

LUBRICANTS—1 cs, Mariposa, Australia; 1 cs, Santa Maria, Corozal

MAGNESIA OXIDE—20 sks, Rochelle, James Island

MEDICINAL PREPS—4 cs, Hauraki, Christchurch; 1 cs, President Adams, Lohamandi; 7 cs, Mariposa, New Zealand

MICA, GRD—4 bbls, Mariposa, Australia

MINERAL SPTS—115 dms, Hauraki, Lyttleton; 25 dms, 70 cs, Santa Maria, Panama

NAPHTHA—(Hauraki) 20 dms, Lyttleton; 1 cs, Melbourne; 25 dms, Auckland; 1 cs, Sydney; 2 dms, Rochelle, Vancouver

NEOARSPHENAMINE—2 cs, Mariposa, Samoa

NITROUS OXIDE—6 crts, Mariposa, New Zealand

NUTMEGS—1 cs, Providencia, Santa Rosalia

OIL, CITROUS—1 cs, Mariposa, Australia

COCONUT—18 bbls, Mariposa, New Zealand

DIESEL—10 bbls, Providencia, Santa Rosalia

ESSENTIAL—3 cs, Mariposa, Australia

LEMON—4 cs, Mariposa, Australia

LIME—1 cs, Mariposa, Australia

LUBRICATING—(Hauraki) 1 cs, Auckland; 156 dms, 155 cs, Wellington; 203 dms, 150 cs, Lyttleton; 161 dms, 133 cs, Dunedin; 12 dms, Invercargill; 525 dms, Melbourne; 155 cs, 222 dms, Auckland; 450 dms, Sydney; 1,200 bbls, Warwick, Port Moody; (President Adams) 6 cs, 140 dms, Bahrein; 29 dms, 1 cs, Hongkong; 118 dms, Singapore; 64 dms, 85 cs, Shanghai; 350 dms, Bombay; 250 cs, Moji; 900 dms, Kobe; (Rochelle) 116 bbls, Port Moody; 1 cs, New Zealand; 582 dms, Mariposa, Australia; (Santa Maria) 40 cs, Port Amador; 474 dms, 83 pls, 304 cs, 10 qtr dms, Panama; 20 cs, 10 dms, Corozal; 28 cs, 12 dms, Albrook Field; 15 bbls, 12 pls, Providencia, Santa Rosalia

OLEO—5 bbls, President Adams, Manila

ORANGE—5 cs, Mariposa, Australia

PEPPERMINT—4 dms, Mariposa, Australia

PUTTY—6 dms, Mariposa, Australia

RESIN, SYNTH—1 pl, Hauraki, Christchurch

ORTHOPEDIC REMEDIES—(Mariposa) 1 cs, Australia; 1 cs, New Zealand

PAINT—(Hauraki) 1 cs, Melbourne; 5 pls, Christchurch; (President Adams) 110 cs, 11 kegs, 20 pls, Manila; 8 cs, Bombay; 1 cs, Shanghai; 21 cs, Colombo; 48 cs, 3 dms, Singapore; 1 cs, Bahrein; 8 pls, 16 cs, Hongkong

ASPHALT—2 dms, 35 cs, Santa Maria, Panama

DRY—1 keg, Hauraki, Christchurch; 5 kegs, President Adams, Manila; 6 kegs, 5 bbls, Mariposa, Australia

ENAMEL—(Hauraki) 3 cs, Auckland; 46 cs, Wellington; 2 cs, Christchurch

LIQUID—8 cs, Mariposa, Fiji Islands

PASTE—1 cs, President Adams, Manila

PREPARED—4 dms, Providencia, Santa Rosalia

REMOVER—10 cs, President Adams, Manila

THINNER—12 cs, President Adams, Manila; 2 cs, Santa Maria, Panama

PARAFFIN—1 cs, Providencia, Santa Rosalia

LIQUID—1 cs, Mariposa, Australia

PASTE—1 cs, President Adams, Bahrein

PERFUMERY—0 cs, Mariposa, Australia

PETROLEUM, RFD—(President Adams) 50 dms, Karachi; 100 dms, Bombay; 380 dms, Mariposa, Australia; 4 cs, Santa Maria, Panama; (Hauraki) 3 dms, 280 cs, Wellington; 50 cs, 45 dms, Lyttleton; 75 dms, Dunedin; 351 dms, Melbourne; 60 dms, 400 cs, Rarotonga; 160 cs, Auckland; 101 dms, Sydney

PIMENTO—(Hauraki) 8 sks Adelaide; 8 sks, Melbourne

POLISH, AUTO—1 cs, President Adams, Kobe

SHOE—80 cs, President Adams, Manila

STOVE—40 cs, Hauraki Wellington

POLISHING MATERIAL—0 cs, 2 pls, Hauraki, Wellington; 1 cs, Mariposa, New Zealand

POTASH, AMYLXANTHATE—12 dms, President Adams, Manila

CARBONATE—1 bbl, Rochelle, Vancouver

XANTHATE—3 dms, President Adams, Manila

PUTTY—(Hauraki) 1 cs, Auckland; 24 cs, Wellington; 2 cs, Christchurch; (President Adams) 1 cs, Bombay; 4 cs, 1 dm, Manila

PYRETHRUM, POWD—1 bbl, Rochelle, Vancouver

RADIATOR COMP—1 cs, Santa Maria, Port Amador

RESIN, SYNTH—8 sks, Hauraki, Christchurch; 2 kegs, President Adams, Kobe; 2 dms, 2 pls, 1 keg, Mariposa, Australia

ROSIN, GUM—(Hauraki) 130 bbls, Lyttleton; 50 bbls, Wellington; 15 bbls, Dunedin

WOOD—10 dms, President Adams, Manila

ROUGE, OPTICAL—1 cs, Mariposa, Australia

SALT—800 cs, Hauraki, Sydney; 400 sks, 10 bbls, Rochelle, Vancouver; 200 cs, (Mariposa) Australia; 3,880 cs, New Zealand

IODIZED—(Hauraki) 1,200 pkgs, Lyttleton; 800 cs, Dunedin; 400 cs, Sydney; 1,000 cs, Wellington

IRON—(Hauraki) 40 cs, Dunedin; 80 cs, Lyttleton; 400 cs, Wellington

PHOSPHATE—(Hauraki) 80 cs, Dunedin; 400 cs, Sydney

SULPHURIZED—2,400 cs, Hauraki, Dunedin

SHELLAC—15 sks, Salawati, Vancouver; 2 bbls, Mariposa, Australia; 1 cs, Providencia, Santa Rosalia

COMPOUND—1 cs, Hauraki, Wellington

SILICON CARBIDE—1 cs, Hauraki, Wellington

SOAP—1 cs, Mariposa, Papua

FLAKE—1 cs, President Adams, Bahrein

LAUNDRY—1 cs, President Adams, Jeddah

SOLVENT—3 cs, Santa Maria, Panama

SODA—(President Adams) 16 cs, Hongkong; 50 cs, Shanghai

ASH—3 bbls, Mariposa, Fiji Islands; 8 bbls, Providencia, Santa Rosalia

CAUSTIC—2 kegs, Mariposa, Fiji Islands; 8 dms, Providencia, Santa Rosalia

ETHYLXANTHATE — 200 dms, Rochelle, Kimberley

FLUORIDE—1 bbl, Rochelle, Vancouver

NITRATE—20 kegs, Hauraki, Dunedin

SILICATE—25 dms, President Adams, Kobe; 105 dms, 15 bbls, Rochelle, Vancouver

SOLVENT, CLEANING—(Santa Maria) 1 cs, Port Amador; 5 cs, 30 dms, Panama; 4 cs, Corozal; 3 cs, Albrook Field

DRAINPIPE—1 cs, President Adams, Jeddah

PETROLEUM—(Hauraki) 4 dms, Auckland; 11 dms, Wellington; 9 dms, Christchurch

STOP LEAK COMP—(Santa Maria) 2 cs, Port Amador; 3 cs, Albrook Field

SULPHUR—(Hauraki) 1,300 sks, Wellington; 320 sks, Dunedin; 155 sks, Lyttleton

FLOWERS—45 sks, Mariposa, Australia

REFINED—(Hauraki) 12 sks, Auckland; 12 sks, Wellington; 34 sks, Lyttleton

TALC, GRD—10 sks, President Adams, Shanghai

TIMBO ROOT—224 pkgs, Mariposa, Australia

TOILET PREPS—1 cs, Hauraki, Rarotonga; (President Adams) 2 cs, Al Khobar; 8 cs, Hongkong; 5 cs, Manila; 20 cs, Osaka; 1 cs, 6 pkgs, Shanghai; (Mariposa) 1 cs, Fiji Islands; 18 pkgs, Samoa; 1 cs, New Zealand

TOLUENE—1 dm, Hauraki, Christchurch

TREE WASH—(Hauraki) 226 dms, 35 cs, Wellington; 51 dms, Lyttleton; 2 cs, 51 dms, Dunedin; 80 cs, Mariposa, Australia

TURPENTINE—110 cs, Hauraki, Dunedin; 25 cs, President Adams, Manila

WOOD—2 dms, Hauraki, Bluff

VANILLA BEANS—6 cs, Rochelle, Vancouver

VARNISH—(President Adams) 10 kegs, Manila; 10 cs, Shanghai; 1 bbl, Providencia, Santa Rosalia

WAX, AUTO—16 cs, Santa Maria, Panama

FLOOR—6 bbls, Rochelle, Port Moody

ZINC DUST—20 dms, Rochelle, Waterways, Canada; 100 dms, Mariposa, Australia

Savannah Exports

Clearance Dates

Bessa, June 29; Schoharie, June 24; Shickshinny, June 25; Trolleholm, June 25

CLAY—110 bgs, Trolleholm, Helsingfors; (Bessa) 2,220 bgs, Bremen; 220 bgs, Rotterdam; (Shickshinny) 1,200 bgs, Liverpool; 2,520 bgs, Manchester; 2,000 bgs, Schoharie, London

COTTON LINTERS—(Shickshinny) 75 lbs, Manchester; 120 lbs, Liverpool; 1,344 lbs, Bessa, Bremen

DEER TONGUE LEAVES—25 bls, Schoharie, Antwerp

FULLER'S EARTH—480 bgs, Trolleholm, Gdynia

GLUCOSE—300 bbls, Schoharie, London

OIL, PINE—67 dms, Schoharie, Famagusta

ROSIN, GUM—(Shickshinny) 2,357 bbls, Liverpool; 1,185 bbls, Glasgow; (Schoharie) 25 bbls, Bristol; 300 bbls, London; 200 bbls, Hull; 130 bbls, Antwerp; 75 bbls, Rotterdam; (Bessa) 582 bbls, London; 3,013 bbls, Bremen; 800 bbls, Prague; 150 bbls, Rotterdam; (Trolleholm) 977 bbls, Oslo; 50 bbls, Bergen; 30 bbls, Trondhjem; 3,417 bbls, Gothenburg; 81 bbls, Stockholm; 350 bbls, Copenhagen; 325 bbls, Gdynia; 150 bbls, Abo; 800 bbls, Wiborg; 1,400 bbls, Kotka; 310 bbls, Riga; 50 bbls, Reval

SIZE, DRY—(Schoharie) 2 bgs, London; 157 bgs, Rotterdam; (Trolleholm) 672 bbls, Gothenburg; 538 bbls, Oskarshamn; 1,344 lbs, Mantyluoto; 224 bbls, Helsingfors; 20 bbls, Bessa, Rotterdam

TURPENTINE, GUM—(Schoharie) 1,176 bbls, Bristol; 120 bbls, London; 100 bbls, Hull; 150 bbls, Antwerp; (Shickshinny) 150 bbls, Liverpool; 100 bbls, Manchester; 150 bbls, Glasgow; (Bessa) 648 bbls, London; 40 bbls, Bremen; 60 bbls, Rotterdam; (Trolleholm) 85 bbls, Oslo; 130 dms, Gothenburg; 35 bbls, Stockholm; 100 bbls, Malmo; 340 bbls, Copenhagen; 50 bbls, Memel

Tampa Exports

Clearance Dates

Chippewa, June 26; Dalvangen, June 24; Monfiore, June 25; Montreal, June 22; General Tosta, June 25

FIRE EXTINGUISHER, LIQ—3 cs, Chippewa, Curacao

GAS—185 tanks, Chippewa, Curacao

GASOLINE—1 dm, General Tosta, Havana

GREASE—24 cs, Chippewa, Curacao

INSECTICIDE—2 dms, Dalvangen, Kingston

OIL, FUEL—40 dms, General Tosta, Havana

LUBRICATING—10 dms, Chippewa, Curacao

PAINT MATERIALS—5 cs, Chippewa, Curacao

PREPARED—8 cs, Chippewa, Curacao

PHOSPHATE—5,409 tons, Montreal, Yokohama; (Monfiore), 1,250 tons, Genoa; 1,250 tons, Savona

Coastwise Shipments

Corpus Christi Coast Trade

GASOLINE—80,186 bbls, John Worthington, Baltimore

PETROLEUM, CRUDE—47,468 bbls, Thermo, Texas City; 58,443 bbls, Nacco, Fall River; 110,917 bbls, J A Moffett Jr, Baytown; 75,007 bbls, Garnet Hullings, Baytown; 73,503 bbls, H H Rogers, Baytown; 22,146 bbls, Halsey, New York; 47,399 bbls, Dannedalke, Texas City; 77,614 bbls, Swiftscout, Port Arthur; 110,926 bbls, E M Clark, Baytown; 149,356 bbls, Wm Rockefeller, Baytown; 149,166 bbls, John D Archbold, Baytown; 75,843 bbls, I C White, Baytown

Los Angeles Coast Trade

GASOLINE—10,524 bbls, Tejon, Seattle; 851 bbls, S & C No 41, San Diego; 5,492 bbls, S & C No 2, San Diego; 50,289 bbls, Mojave, Portland; 65,000 bbls, Lebec, Seattle; 4,081 bbls, S & C No 41, San Diego; 53,457 bbls, Arizona, San Francisco; 4,699 bbls, S & C No 2, San Diego; 37,167 bbls, Edwin B De Golio, San Francisco, 85,000 bbls, Elwood, Fall River; 18,000 bbls, Trimountain, Baltimore; 120,494 bbls, Magnolia, Paulsboro; 72,553 bbls, Reaper, Norfolk

KEROSENE—3,654 bbls, Arizona, San Francisco; 2,170 bbls, La Purisima, Oleum; 57,000 bbls, Trimountain, Baltimore

OIL, DIESEL—2,808 bbls, Tejon, Seattle; 3,456 bbls, S & C No 41, San Diego; 393 bbls, S & C No 2, San Diego; 12,903 bbls, Mojave, Portland; 9,000 bbls, Lebec, Seattle; 536 bbls, S & C No 41, San Diego; 393 bbls, S & C No 2, san Diego; 18,152 bbls, Kekoskee, Portland; 74,197 bbls, Deroche, Seattle; 12,545 bbls, La Purisima, Oleum

FUEL—56,325 bbls, Tejon, Seattle; 7,821 bbls, Mojave, Portland; 8,000 bbls, Lebec, Seattle; 10,264 bbls, El Cedro, Seattle; 32,068 bbls, Kekoskee, Portland; 65,000 bbls, Antietam, Portland; 3,800 bbls, Deroche, Seattle; 33,025 bbls, La Purisima, Oleum; 38,000 bbls, S O Barge No 95, Richmond

FURNACE—4,440 bbls, La Purisima, Oleum

ROAD—18,990 bbls, Lake Miraflores, Tacoma

PETROLEUM, CRUDE—79,386 bbls, Montebello, Oleum

San Francisco Coast Trade

ACID—15 crbys, West Shipper, Portland, Ore 20 tons, Wallingford, Seattle

ALUM—200 tons, Coast Merchant, Portland, Ore

BONE MEAL—800 sks, Nabesna, Portland, Ore

BUTTERMILK POWDER—15 bbls, Nabesna, Portland, Ore

CASEIN—11 tons, Kansan, New York

CHLORINE BLEACH, LIQ—600 cs, Point San Pedro, Seattle
650 tons, California, New York
12 tons, Wallingford, Tacoma

CLAY, CALC—23 tons, Kansan, New York

CLEANING COMP—1 bbl, Georgian, Seattle

COCONUT, DESIC—44 tons, San Felipe, Savannah
22 tons, San Felipe, Norfolk
15 tons, San Felipe, Baltimore
24 tons, San Felipe, Philadelphia
722 tons, California, New York
35 tons, Arizonan, Norfolk

COLOR, EARTH—18 tons, Kansan, New York

CRACKLINGS — 439 sks, Point San Pedro, Seattle

DRUGS—6 cs, Georgian, Seattle

EGG YOLK, HEN, DRIED—25 cs, Nabesna, Portland, Ore

FELDSPAR AND CLAY—109 pkgs, Andrea Luckenbach, Portland, Ore

INSECTICIDES, DRY—8 cs, Panaman, Portland, Ore

LARD SUBSTITUTE—16 tons, Coast Merchant, Portland, Ore

LIME, HYDRATED—1,200 sks, West Shipper, Portland, Ore

MAGNESITE—21 tons, F J Luckenbach, Boston
11 tons, F J Luckenbach, Philadelphia

PASTE—29 tons, Kansan, New York

MAGNESIA HYDROXIDE PASTE—32 tons, F J Luckenbach, New York

MEDICINAL PREPS—4 cs, Georgian, Tacoma

MILK POWDER—300 sks, Nabesna, Portland, Ore
20 tons, Kansan, New York
40 tons, F J Luckenbach, New York
45 tons, Arizonan, Philadelphia
24 tons, Arizonan, Boston

SUGAR—1 bbl, Panaman, Portland, Ore

OCHER—30 bbls, West Shipper, Portland, Ore
5 bbls, Wallingford, Seattle

OIL—70 dms, Point San Pedro, Seattle
945 lbs, Vermar, Portland, Ore
112 tons, California, New York
40 cs, 1 dm, Panaman, Portland, Ore
34 tons, Wallingford, Seattle

CRUDE—650 tons, San Simeon, Portland, Ore

LUBRICATING—41 tons, San Felipe, Baltimore
75 bbls, Point San Pedro, Seattle
403 bbls, Point San Pedro, Point Wells
180 tons, Wallingford, Point Wells

VEGETABLE — 4 tons, Arizonan, New York

PAINT—421 lbs, Vermar, Portland, Ore

ASPHALT—20 dms, Point Chico, New Orleans

PETROLEUM PRODUCTS — 112 pkgs, Point San Pedro, Point Wells

SALT — 802 pkgs, Point San Pedro, Seattle
800 pkgs, Point San Pedro, Olympia
400 sks, Point San Pedro, Tacoma
400 sks, 1,402 pkgs, Nabesna, Portland, Ore
65 tons, Coast Merchant, Portland, Ore
43 tons, Coast Farmer, Seattle
480 sks, 1,600 pkgs, West Shipper, Portland, Ore
85 tons, Wallingford, Seattle

SOAP—507 pkgs, West Shipper, Portland, Ore

SODA NITRATE — 400 sks, Nabesna, Portland, Ore

SILICATE—65 tons, Wallingford, Seattle
18 tons, Wallingford, Tacoma

SPRAY, TREE — 16 tons, Wallingford, Seattle

SULPHUR DIOXIDE — 15 tons, Wallingford, Seattle

Cargo Ship Arrivals

July 3 to July 16

New York

Almena	Puerto Plata	July 6
Amapala	La Ceiba	July 9
American Banker	London*	July 6
American Robin	Seattle*	July 8
American Shipper	Liverpool*	July 12
American Trader	London	July 12
Amerikaland	Cruz Grande	July 10
Amor	Curacao	July 12
Atlantida	La Ceiba	July 16
Ayuruoca	Paranagua*	July 10
Baghdad	Hamburg	July 7
Barbarigo	Trieste	July 13
Basil	Bahia*	July 3
Black Condor	Rotterdam*	July 9
Black Hawk	Rotterdam*	July 11
Borinquen	Trujillo*	July 5
Buenaventura	Port au Prince*	July 12
California	San Francisco*	July 5
Calamares	Santa Marta*	July 7
Cambridge	London	July 3
Canadian Constructor	Adelaide*	July 11
Carabobo	Curacao*	July 5
Caracas	Curacao*	July 12
Cauto	Tampico*	July 5
Cavallo	Hull*	July 5
City of Durban	Colombo*	July 6
City of Elwood	Manila*	July 8
City of Lyons	Batavia*	July 11
City of Salisbury	Calcutta*	July 11
Clan MacInnes	Greenock	July 6
Coamo	Trujillo*	July 12
Colombia	Cristobal*	July 12
Columbian	Astoria*	July 5
Cristobal	Cristobal*	July 6
Cypria	Marseilles	July 16
Dorothy Cahill	Portland*	July 10
Dorothy Luckenbach	Seattle*	July 16
Eberstein	Port Natal	July 12
Egba	Freetown*	July 4
Excheater	Oran*	July 12
Exeter	Beirut*	July 8

Express	Istanbul*	July 12
F J Luckenbach	Portland*	July 8
Fernmoor	Manila*	July 9
Fort Amherst	St Pierre*	July 8
Fort Townshend	St Pierre*	July 15
Frida	Valparaiso*	July 8
Gerolstein	Antwerp	July 15
Harpefjell	Rotterdam*	July 14
Heimgar	Progreso*	July 3
Hokuroku	Manila*	July 9
Jacob Christensen	Istanbul*	July 8
Jomar	Seattle*	July 15
Kansan	Seattle*	July 9
Kongo	Manila*	July 8
Kota Inten	Macassar*	July 13
Kotoku	Philippines*	July 9
Lucia C	Trieste*	July 10
Luna	Curacao*	July 5
Maasdam	Rotterdam	July 14
Manuela	San Juan	July 11
Mapia	Macassar*	July 7
McKeesport	Hamburg*	July 11
Mercier	Antwerp	July 12
Missourian	Seattle*	July 15
Munargo	Havana*	July 8
Musa	Puerto Barrios*	July 8
Nevadan	Seattle*	July 3
New Brooklyn	Lagos*	July 8
New Toronto	Accra*	July 14
Nordhavet	Manila*	July 5
Oriente	Havana	July 9
Orizaba	Vera Cruz*	July 13
Pan America	Buenos Aires*	July 14
Panuco	Tampico*	July 14
Pastores	Cristobal*	July 5
Pennmar	Seattle*	July 3
Peten	Port Limon*	July 11
Peter Maersk	Manila*	July 10
Platano	Puerto Barrios*	July 15
Point Ancha	Olympia*	July 16
Pomona	Grays Harbor*	July 7
Ponce	San Juan*	July 9
President Van Buren	Manila*	July 13
Quirigua	Port Limon*	July 4
Rena	La Plata*	July 4
Rhein	Iloilo*	July 14
Rheinus	Hongkong*	July 8
Robin Hood	Capetown*	July 10
Rosario	San Juan*	July 5
Sagaporack	Gothenburg*	July 8
San Anselmo	Port Angeles*	July 6
San Bernardino	Portland*	July 10
San Clemente	Tacoma*	July 10
San Jacinto	Puerto Rico	July 13
Santa Barbara	Valparaiso*	July 13
Santa Rita	Valparaiso*	July 6
Santa Rosa	San Francisco*	July 13
Sanyo	Manila*	July 13
Scanyork	Stockholm*	July 12
Seatrain Havana	Havana*	July 6
Sea Thrush	Portland*	July 6
Silversandal	Batavia*	July 8
Sonnavind	Kobe*	July 14
Tai Ping	Manila*	July 3
Tana	Santos	July 7
Texmar	Richmond*	July 15
Uha	Santa Marta*	July 14
Vigrid	Gdynia	July 10
Vincent	Havre	July 14
West Cape	Portland*	July 13
West Irmo	Lagos*	July 8
West Isleta	Capetown	July 14
West Lashaway	Port Harcourt*	July 15
Western Prince	Buenos Aires*	July 7
Yucatan	Vera Cruz*	July 6

* And other ports

Recent Charters

MOLASSES — 545 tons, S S Milra, Cuba to United Kingdom, 22s 6d; July

OIL, WHALE—9,600 tons, S S Vanja, dirty, 12 months, 11s; commencing October

ORE—7,000 tons, S S Francis Massey, Poti to Baltimore, 19s; July 15-25

PETROLEUM——— tons, S S Athel, dirty, Aruba to United Kingdom, Continent, 25s; July-August

12,600 tons, S S Pericles, dirty, three years trading, 7s; continuation

6,500 tons, S S Jenny, lubricating oil, North Atlantic and Gulf to three ports in United Kingdom, including Barton, 45s; August-September

5,200 tons, S S Cerinthus, lubricating oil, North Atlantic to United Kingdom, Continent, 25s 6d; August

——— tons, S S W F Burdell, gasoline, Gulf to North Hatteras, 60c; July

3,960 tons, S S Beth, dirty, Gulf to River Medway, 28s 6d; July

——— tons, S S ———, clean, Constanza to United Kingdom, Continent, 25s; July

3,213 tons, S S Spencer Kellogg, dirty, Gulf to Boston, 56½c; July

5,217 tons, S S Storstad, three years, commencing March, 1938

3,552 tons, S S Beauliew, 3 years' time charter, 7s 6d, commencing July

5,986 tons, S S Fenrcastle, clean, California to North China, 36s, option Hongkong or Shanghai, 37s; Philippines, 37s 6d, September

——— tons, New Motor Ship, Gulf to Montreal, 5s 9d, 10 seasons, commencing April, 1939

4,860 tons, S S Beduin, refined spirits, California to China, 35s, option Philippines, 37s, September

3,415 tons, S S Virgilius, clean, Aruba to United States-Continent, 26s 3d, July-August

——— tons, S S ———, Aruba or Curacao to United Kingdom-Continent, August

——— tons, S S Athel, dirty, Aruba or Curacao to United Kingdom, Continent, 25s, July-August, 25s

7,704 tons, S S Athelcrown, dirty, Gulf to Adriatic, 26c, July-August

——— tons, S S ———, dirty, West Coast Italy, 38s, July

3,907 tons, S S Vilja, dirty, three consecutive voyages, California to Vancouver; commencing August, 30c

4,891 tons, S S Grena, clean, Aruba to United Kingdom-Continent, 26s, August

——— tons, Castana, crude oil, Gulf to North Hatteras, 58c, July

——— tons, S S Malabar, crude oil, Gulf to North of Hatteras, 58c, July

——— tons, S S Superga, dirty, Gulf to East Mediterranean

——— tons, S S ———, clean, Aruba to Continent, 25s, August

——— tons, S S Scottish Castle, three years, 5s 9d

14,800 tons, S S Kaldfonn, three years, 7s 6d, November 15-December 15

4,526 tons, S S Scottish Heather, three years, 5s 9d

9,960 tons, S S Hamlet, three years, 7s 6d, November

——— tons, Motorship ———, four years, 7s 3d, commencing November

9,940 tons, S S William Strachan, dirty, three years, 7s 3d, commencing April, 1938.

6,000 tons, S S Colorado, dirty, Gulf to four ports, Italy, lump sum, £11,000, August

9,760 tons, S S Josefina Thorden, three years' time trading, 8s, prompt

12,000 tons, S S Loosdrecht, clean, Abadan to United Kingdom-Continent, 40s, August

3,000 tons, S S Alberto Fasio, clean, Constanza to Tunis, 21s, August

9,500 tons, Motorship Lucerna, clean, Abadan to United Kingdom-Continent, 40s, August

Imports Detained

Detentions recently effected at various ports by United States authorities on determinations by the Food and Drug Administration that products offered for import were adulterated or misbranded under the Federal food and drugs act or did not comply with other customs regulations included the following articles for the reasons stated:—

New York

Week Ended July 7

Almond oil, 28 cases; not U.S.P.

Aloe, 500 cases; does not meet U.S.P. Test for purity.

Cassia oil, 35 drums; not U.S.P.

Celery seed, 15 bales; filthy.

Codliver oil, 76 drums; excessive free fatty acid; contains stearin.

Codliver oil, 60 drums; deficient in vitamin D.

Cod oil, technical, 1,300 barrels; restricted use.

Gum benzoin, 208 cases; U.S.P. Test for rosin positive.

Guaiac, 15 cases; excessive alcohol insoluble residue.

Myrrh, 6 cases; deficient in alcohol soluble extractive.

Medicinal preparations, 1 case; false and misleading statements.

Medicinal preparations, 5 cases; false therapeutic claims.

Medicinal preparations, 1 case; contains radium.

Orange flower water, 10 carboys; excessive non volatile residue.

Pollack, liver oil, 1 drum; restricted use.

Poppy seed, 100 bags; filthy.

Buffalo

Week Ended July 7

Medicinal preparations, 1 case; false therepeutic claims, alcohol incorrectly declared.

Medicinal preparations, 1 case; false therapeutic claims.

Philadelphia

Week Ended July 7

Medicinal preparations, 1 case; false therapeutic claims.

Atlanta

Week Ended July 7

Fruit flavored syrups, 5 cases; false and misleading statements; incorrect quantity of contents statement; decomposed.

San Francisco

Week Ended July 1

Nutmegs, 109 cases; decomposed.

Foreign Trade Openings

Correspondence in regard to any of the following foreign trade opportunities should be addressed to the Bureau of Foreign and Domestic Commerce, Washington, or to any district or cooperative branch office of the bureau, and not to this publication. When writing, give the number of the item:—

Brushes, Paint and Cleaning:—Agency, Lima, Peru (3560).

Calcium Arsenate, Rosin, Sulphuric Acid, and Logwood Extract:—Agency, Lima, Peru (3352).

Camphor, Chemicals, Resins, Exotic Herbs, Menthol, and Essences:—Purchase, Warsaw, Poland (3584).

Cosmetics:—Purchase, Oslo, Norway (3537).

Cosmetics and Toilet Preparations:—Agency, Port of Spain, Trinidad (3579).

Detergents for Dairy Use:—Agency, Toronto, Canada (3549).

Drugs and Chemicals:—Agency, Manila, P. I. (3574).

Dynamite, Caps and Fuses:—Agency, Manila, P. I. (3541).

Glycerin, and Natural Gums and Resins:—Purchase and agency, Lima, Peru (3538).

Lubricating Oils, Kerosene, Asphalt; Crude, Fuel and Gas Oils, and Paraffin Wax:—Agency, London, England (3556).

Lubricating Oils and Greases for Motor Vehicles:—Purchase and agency, Havana, Cuba (3568).

Lubricating Oils and Petroleum Jelly:—Purchase, Warsaw, Poland (3584).

Medicines:—Purchase, Trivandrum, India (3536).

Paraffin, Fully Refined:—Agency, Lima, Peru (3552).

Quinine Salts, Tartaric and Sulphuric Acids, and Oils for Tanneries:—Agency, Lima, Peru (3539).

Shellac, Gum and Flake:—Agency, Johannesburg, South Africa (3542).

Soaps, Toilet:—Agency, Port of Spain, Trinidad (3579).

Zinc Oxide and Red Oxide Powder, and Lead Chromate:—Agency, Manila, P. I. (3540).

Givaudan Delawanna, Inc., aromatic chemicals, this city, in the June issue of its house publication, *The Givaudanian*, carried a pertinent editorial entitled "Why Persecute the Cosmetic Industry." It is the work of Dr. Eric C. Kunz, head of the company, and criticizes sharply the attitude of the American Medical Association as expressed in a booklet, "Cosmetic and Allied Preparations," put forth by that body.

Dyestuffs, Textile, Leather Chemicals

(Continued from page 35)

Tanning Materials

Divi-Divi.—Although a dull demand was in evidence again last week, sellers reported prices were strictly nominal. The nominal situation resulted from the small amount at hand.

Gambier.—Business in the market for common gambier continued spotty. Prices were nominal. A fair demand was reported for plantation and Singapore cubes. Prices were without change.

Mangrove Bark.—Demand was slow in this direction again last week. Prices were holding unchanged.

Myrobalans.—This market presented little change from recent weeks, demand continued at a slow pace and prices displayed a steady to firm tone.

Quebracho.—Shipments were moving against contracts at an irregular pace during the week, but sellers reported that the price was decidedly firm at the levels in force previously.

Valonia.—A fair demand was in evidence. Prices for beards and cups remained unchanged.

Wattle Bark.—Although the market noted a highly irregular call, prices were steady to firm.

Consolidated Products Holds Annual Outing of Employees

The Consolidated Products Company, machinery equipment, this city, held its fourth annual employees' outing, June 26, at Sundance Lodge, Caldwell, N. J. Baseball, golf, handball, and a musical entertainment crowded the day and evening.

Of particular interest was a caravan of more than 40 automobiles, headed by the car of A. M. Kahn, president of the company, that went in a body to the picnic grounds. First prize went to the men of the company's Newark works, who arranged a display of "Rebuilt Machinery" on one of the trucks. Cups, inscribed for long service to the company were given to B. M. Todd, N. Difazio, William Budin and Frank Cherubini.

DuPont Offers New Dyestuffs

The dyestuffs division of E. I. du Pont de Nemours & Co. is offering two new dyestuffs—"Acetamine" Violet 2R and "Sulfogene" Fast Green YCF. The first is a new color yielding very reddish shades of violet on acetate fiber yarn and pieces; it possesses good affinity at 160° F. and is rapidly absorbed from the dyebath with economical results, according to the company's announcement. The second is a sulphur color similar in general characteristics to "Sulfogene" Fast Green BCFN, but much yellower and brighter in shade; it is dyed in the customary manner and best results are obtained with the use of an equal amount of sulphide and color.

Textile School to Open Sept. 13

William H. Dooley, principal of the Textile Evening High and Trade School, 351 West Eighteenth street, this city, reports that the school will open its Fall and Winter session September 13. Registration will be held evenings, beginning September 8, from 6 o'clock to 10 o'clock. Courses are offered in the following branches of textiles:—Chemistry, cloth analysis and design, cotton, costume illustration, decorative fabrics, experimental dyeing, general textiles, interior decoration, linen, machine knitting, printed design, rayon, silk, textile chemistry and textile testing, weaving, wool, and yarn manufacture.

Quebracho Extract Dutiable

Quebracho extract has been held by the United States Customs Court, First Division, to be dutiable at 15 percent ad valorem under paragraph 38 of the tariff act of 1930, in which the article is specifically named, and not duty-free under paragraph 1670 which has to do with quebracho wood, crude or advanced in value. The court denied the claim for classification under paragraph 1670, made by W. R. Grace & Co., and held that the rule laid down in the Giurlani case (T.D.46101) was incorrect.

Lion Oil Refining Company reports the election of John E. Howell as director and vice-president in charge of production and development. Mr. Howell had been connected with the Empire Oil Company for twenty years and was general superintendent in charge of oil production when he resigned to go with the Lion company.

Essential Oils

Aromatic Chemicals

(Continued from page 52)

steady to firm. Buyers, however, traded close to actual requirements.

Diphenyl Oxide.—Though new business was somewhat slow, still volume was sufficient to keep market undertones steady and to hold prices in well supported position in the absence of much in the way of expansive competition at this time.

Ethyl Vanillin.—This item, said to have a finer and better flavor than vanillin, as well as being at least three times stronger, sold in very fair sized quantities at $10.60 per pound for amounts of average size. Production costs were reported to be well maintained.

Eucalyptol.—Because of the strength noted in the raw material market, this item was in firm position with sellers looking forward to an excellent business as trade broadens during the more active season ahead.

Eugenol.—This was another article the price of which was holding firm in keeping with the situation in raw material. Also, there was a sustaining demand back of the price position that gave added strength to the market.

Geraniol.—Fair sized, though somewhat elastic demand, prevailed for all grades of this item and prices were said to reflect a generally steady position throughout the past week.

Geranyl Acetate.—A slowing down in demand for prompt delivery parcels was noted in several directions and the market was generally quiet throughout the past week. Prices, however, remained mainly steady in all directions.

Menthyl Salicylate.—This item continued to find excellent favor with the manufacturers of sunburn preventatives as its action in cutting out the ultraviolet rays of the sun has commended it to such producers. Prices were generally on the steady side.

Phenylacetic Acid.—A routine, mainly jobbing, market ruled on this material. Buyers' needs were conservative and stocks in hand seemed to meet the requirements. Prices continued to be steady.

Phenylethyl Acetate.—Reports indicated that some new users had been in the market for trial quantities of this item which is tarter than the alcohol. However, the general run of business was quiet and conservative at unchanging prices.

Skatol.—The new product reported on last week was being pushed by an intelligent and well conceived sales campaign and results were said to be fairly satisfactory thus far. The market remained steady.

Fritzsche Bros. Re-Styles Labels

Fritzsche Brothers, Inc., this city, has adopted re-styled labels for its entire line of essential oils and aromatic chemicals. Hereafter, these products will be identified by labels printed in black and red against a golden yellow scroll background embodying the name "Fritzsche Brothers, Inc." This combination of color and design, while providing protection against possible imitation, harmonizes attractively with the light-proof brown bottles in which most of the company's materials are put up. A more legible type face also has been chosen to facilitate identification of contents. The changes have been made without radical departure from the former label so long associated with the company products.

Glyco Puts Out New Product

The Glyco Products Company, this city, is offering a new product, "Cloudene," with which cloudy lemon, orange, and similar drinks can be made very easily. The product is a light colored, "neutral" liquid, and is simply mixed with the oil. This concentrate is then added to sugar syrup and charged with water added in the usual way. The resulting product is a cloudy beverage which will not ring or settle.

D. & O. Improves Bottles

Dodge & Olcott Company, manufacturer and importer of essential oils since 1798, reports a modern improved dressing for its bottles with convenient bakelite top stoppers, and labels in brown and gold on white.

George M. Armor, one of the vice-presidents of McCormick & Co., spices and extracts, Baltimore, who was urged to run for mayor in the last campaign, is now being put forward as a candidate for governor. He has received the endorsement of a Republican ward club.

Informative Booklets

Ask the Oil, Paint and Drug Reporter, 12 Gold Street, New York, for any of the following booklets you may want; simply send the numbers on a postcard. Copies will be sent to you without charge.

Biologicals.—"Biological and Organic Chemicals" is the title of a new price list of the Paul Lewis Laboratories. Approximately 100 of the principal products of the company are given and also a list of nearly 100 other slower moving chemicals which are carried in stock. **(528)**

Cement.—Penchlor Asplit Cement issued by the Pennsylvania Salt Manufacturing Company, describes this new product of the company as a self-hardening acid-proof product of unusual strength and toughness. The pamphlet, which is number 3, should be interesting to those concerned with acid-proof construction or with equipment for manufacturing, using, or handling acids. **(529)**

Diluents.—"And Now the 400 Mesh Bancroft Clay," issued by the United Clay Mines Corporation, describes a new diluent made by the company for agricultural insecticidal dusts wherein derris, cube, or pyrethrum are employed. Extensive laboratory and field experimental tests made in five States, says the pamphlet, have proven conclusviely that Bancroft clay embraces all the necessary requirements of a satisfactory diluent. The finished product is actually a dust, the screen test of which shows that 99½ percent will pass a 300-mesh screen, and scientific microscopic tests show that 95 percent will pass through 400-mesh. **(530)**

Electroplating.—"Solution Control for Electroplating," issued by the Grasselli Chemicals Department of E. I. du Pont de Nemours & Co., is a service bulletin, giving a brief review of electroplating, discussing the present need for scientific analytical control. **(531)**

Equipment.—"Patterson Agitators and Mixers," distributed by the Patterson Foundry & Machine Company, is a well-illustrated booklet describing various mixing equipment manufactured by the company, which has a complete line of production size machines of every type for the handling of heavy paste, semi-paste, and liquids. **(532)**

Equipment.—Ideal Commutator Dresser Company has issued a new revised catalogue, which not only furnishes information on many improvements on old products, but includes a number of new products and equipment for which a definite need has existed. Among the latter are a new washer punch, a rotary stripper, a turning tool head, an air gap gauge, a wire stripper, and the Ideal Marshall voltage and speed regulator. **(533)**

Finishes.—"Introducing F. W. B." is the title of a pamphlet published by the Everseal Manufacturing Company, telling of a new line of modern industrial maintenance finishes, fortified with bakelite resins, which are being manufactured and marketed by Everseal with the collaboration of the Bakelite Corporation. Ten new products and their applications are outlined—floor finishes, mill whites, dado enamels, aluminum finishes (exterior and interior), heat resistant aluminum finishes, metal trim enamels, machinery enamels, heat-resistant enamels, spar varnishes, and alcohol resistant varnishes. **(534)**

Gas Protection.—"M. S. A. Combustible Gas Indicator," issued by the Mine Safety Appliances Company, describes and illustrates a self-contained, portable instrument, used for testing explosive gas hazards and locating leaking gas. The new brochure is complete with photographic illustrations and an operating diagram together with examples of how and where the instrument is being used effectively. **(535)**

Instruments.—"Electric Brown Meters," is the title of a new meter catalogue published by the Brown Instrument Company. The twenty-four-page booklet is splendidly illustrated in two colors and covers the complete line of Brown indicating and recording CO_2 meters as well as the combined CO_2 and flue gas temperature recorders. A schematic diagram illustrates the operating principle of the company's CO_2 meter and describes the passage of the flue gas through the various units. **(536)**

Refrigeration Drying Agent.—"Drierite in the Refrigeration Industry," is a small folder describing the product Drierite manufactured by W. A. Hammond, as one embodying an unusual combination of desirable chemical and physical properties. "Because of these unusual properties," says the folder, "Drierite may be used for the efficient drying of a wider variety of materials—solids, liquids, and gases—than any other drying agent known." **(537)**

Silicates.—Standard Silicate Alkalies, distributed by the Standard Silicate Division of the Diamond Alkali Company, is a twenty-page booklet listing the grades of silicate of soda and other silicated alkalies manufactured by the company, with their chemical properties, major uses, and general information to acquaint users with the materials. **(538)**

Testing:—"Weather-Ometer" is the title of an attractively illustrated booklet on this instrument for making weathering tests, manufactured by the Atlas Electric Devices Company and successfully employed wherever an organic film is subjected in use to the deteriorating influence of heat, light, and moisture. The instrument also has been used to indicate the degree of deterioration of such textile materials as awnings and tarpaulins by noting the tensile strength before and after exposure. The device is capable of many uses in an industrial laboratory. **(539)**

Vibrators:—Syntron Company has issued a twenty-four page booklet with complete illustrations, describing the vibrators, vibratory feeder conveyers, and feeder machines manufactured by the company. The booklet stresses the fact that the proper selection of the proper size vibrator depends on:—Purpose of vibration (to flow material or to compact or settle it); character of material (whether dry and free or moist and sticky); weight of the inert mass to be vibrated, and rigidity of the hopper, chute or form. The sales and engineering department are available to recommend the proper type. **(540)**

Waxes:—"Waxes," published by the American Cyanamid & Chemical Corporation, is a sixteen-page booklet on the chemical and physical properties and characteristics of various waxes, including beeswax, candelilla, carnauba, ceresin, Chinese wax, Japan wax, montan, ozokerite, and spermaceti. **(541)**

Wood Flooring.—"Kreolite News," published by the Jennison-Wright Company, pictures and tells of various uses of the company's wood block floors which are laid in a wide variety of structures and are subjected to all types of wear, from the ordinary home wear to the heavy trucking and rough punishment of a steel company. More than 200 post offices are constructed with the Kreolite flexible strip end grain wood blocks. **(542)**

Cottonseed Statistics: August-May

Cottonseed received at mills, crushed, and held, and cottonseed products manufactured, shipped out, and held, August 1 to May 31, 1937, and 1936, amounted, according to the Bureau of Census, to the following quantities:—

Cottonseed

Received, Crushed, and Held

	Received at mills* Aug. 1 to May 31.		Crushed Aug. 1 to May 31.		On hand at mills May 31.	
	Tons					
	1937.	1936.	1937.	1936.	1937.	1936.
United States	4,454,079	3,703,562	4,390,612	3,741,013	85,158	52,124
Alabama	332,698	289,965	330,570	297,164	2,845	1,791
Arkansas	452,094	292,411	444,112	289,386	8,608	5,434
California	173,973	93,600	164,794	92,420	10,287	1,529
Georgia	473,109	424,042	465,517	439,949	9,234	6,261
Louisiana	237,776	174,029	238,746	174,799	704	593
Mississippi	822,574	515,201	784,558	509,338	40,052	18,875
North Carolina	232,808	223,487	232,683	229,872	815	3,692
Oklahoma	82,991	192,229	83,306	193,424	740	1,048
South Carolina	220,090	206,878	220,514	207,375	761	1,264
Tennessee	353,928	230,793	352,752	233,822	1,987	1,377
Texas	909,318	956,748	910,213	969,138	8,981	10,022
All other states	162,720	104,179	162,847	104,326	144	238

* Includes seed destroyed at mills but not 21,926 tons and 89,575 tons on hand August 1, nor 87,262 tons and 55,105 tons reshipped for 1937 and 1936 respectively.

Cottonseed Products

Manufactured, Shipped Out, and Held

	On hand August 1.	Produced Aug. 1 to May 31.	Shipped out Aug. 1 to May 31.	On hand May 31.
Crude oil, pounds—				
1936-1937	*19,191,508	1,327,768,484	1,328,843,586	*49,139,223
1935-1936	28,262,543	1,358,509,482	1,102,336,269	62,698,301
Refined oil, pounds—				
1936-1937	†318,873,305	‡1,236,248,951	.....	†506,704,112
1935-1936	444,833,215	1,021,696,911	.....	460,212,901
Cake and meal, tons—				
1936-1937	65,053	1,976,029	1,956,859	84,223
1935-1936	198,367	1,700,106	1,734,014	164,459
Hulls, tons—				
1936-1937	23,893	1,116,744	1,062,631	78,006
1935-1936	76,604	969,196	974,173	71,627
Linter ,running bales—				
1936-1937	43,819	1,096,663	1,027,679	112,803
1935-1936	71,292	853,695	836,392	88,595
Hull fiber, 500-lb. bales—				
1936-1937	88	46,302	44,624	1,766
1935-1936	1,332	36,448	37,443	337
Grabbots, motes, etc., 500-lb. bales—				
1936-1937	2,991	51,019	44,102	9,908
1935-1936	5,966	41,468	39,179	8,255

* Includes 6,232,774 and 31,723,911 pounds held by refining and manufacturing establishments and 4,411,360 and 9,932,000 pounds in transit to refiners and consumers, August 1, 1936, and May 31, 1937, respectively.

† Includes 15,100,446 and 9,248,523 pounds held by refiners, brokers, agents, and warehousemen at places other than refineries and manufacturing establishments, and 9,643,000 and 11,191,344 pounds in transit to manufacturers of lard substitute, oleomargarin, soap, etc., August 1, 1936, and May 31, 1937, respectively.

‡ Produced from 1,318,950,625 pounds of crude oil.

Exports and Imports for Nine Months Ended April 30

	1937.	1936.
Exports—		
Oil, crude, pounds	180,465	299,720
Oil, refined, pounds	1,943,928	2,256,029
Cake and meal, tons of 2,000 pounds	4,215	10,314
Linters, running bales	204,954	181,196
Imports—		
Oil, crude, pounds	*17,450,639	12,183,299
Oil, refined, pounds	*102,990,203	88,489,086
Cake and meal, tons of 2,000 pounds	24,778	2,543
Linters, bales of 500 pounds	39,618	.....

* Amounts for May not included above are 4,808,326 pounds crude and 30,144,973 refined, "entered directly for consumption," 6,043,716 refined, "withdrawn from warehouse for consumption," and 206,080 crude and 3,206,454 refined "entered directly into warehouse."

Paint, Varnish, Lacquer, Fillers Sales: May

The value of paint, varnish, lacquer and fillers sold in May totaled **$45,254,635**, according to reports filed with the Bureau of Census by **680** establishments. Details of sales reported by these establishments and comparative data for the past two years follow:—

	Total sales reported by 680 establishments.	Classified sale*: Trade sales of paint, varnish, and lacquer.	Classified sale*: Industrial sales: Total.	Industrial sales: Paint and varnish.	Industrial sales: Lacquer.	Unclassified sales reported by 96 establishments.
1937.						
January	$31,288,615	$16,047,179	$12,456,616	$8,906,595	$3,550,021	$2,784,820
February	31,015,653	15,440,210	12,885,413	9,201,543	3,683,870	2,690,030
March	39,498,071	19,398,445	16,601,194	12,036,210	4,564,984	3,498,432
April	46,345,474	25,102,366	16,759,108	12,179,600	4,579,508	4,484,000
May	45,254,635	24,206,972	16,785,249	12,526,801	4,258,448	4,232,414
Totals, 5 mos.	$193,402,448	$100,195,172	$75,487,580	$54,850,749	$20,636,831	$17,719,696
1936.						
January	24,149,799	10,472,898	10,792,047	7,392,862	3,399,185	2,884,854
February	21,206,890	9,562,264	9,700,574	6,683,844	3,016,730	2,008,552
March	31,262,587	15,616,924	12,722,644	8,909,960	3,812,684	2,923,019
April	37,899,767	19,513,909	14,775,850	10,448,264	4,327,586	3,610,008
May	42,727,626	24,097,606	14,607,304	10,384,315	4,222,989	4,022,716
Totals, 5 mos.	$157,306,169	$79,263,601	$62,598,419	$43,819,245	$18,779,174	$15,444,149

* Reported by 584 establishments.

Corporation Earnings Recently Reported

	Period.	1937 Net income.	1937 Per share.	1936 Net income.	1936 Per share.
General Paint Corp.	6 mos.	$226,600	$0.71	$161,472	$0.32
MacMillan Petroleum Corp.	5 mos.	149,355	1.25	79,019	.66
National Oil Products Co.	1st qr.	158,205	.94	.....	...
Standard Wholesale Phosphate & Acid Works	Yr. 5-31	302,872	2.02	32,848	.22
United States Smelting, Refining & Mining Co.	5 mos.	2,613,184	3.65	2,116,394	2.71
Valspar Corp.	Yr. 5-31	299,162	.50	*70,710	...
Wesson Oil & Snowdrift Co.	9 mos.	3,716,031	4.84	2,139,053	2.14

	Period.	1936 Net income.	1936 Per share.	1935 Net income.	1935 Per share.
Armstrong Cork Co.	Year	$163,797	...	*$119,247	...
Burmah Oil Co.	Year	2,955,448	...	‡2,364,378	...
Canfield Oil Co.	Year	95,911	...	.....	...
Royal Dutch Co.	Year	†84,866,253	16.44%	†54,279,189	...
Venezuelan Oil Concessions	Year	‡1,074,068	...	‡913,018	...

* Deficit. † Florins. ‡ Pounds.

Dividends Reported Since Last Publication

	Stock.	Class.	Amount.	Payable.	Of record.
Allied Chemical & Dye Corp.	Com.	Q.	$1.50	Aug. 2	July 9
American Can Co.	Com.	Q.	$1.00	Aug. 16	July 26
Bon Ami	Cl. A	..	$1.00	July 31	July 15
Bon Ami	Cl. B	..	62½c.	July 31	July 15
Cerro De Pasco Copper Co.	.....	..	$1.00	Aug. 2	July 19
Dominion Tar & Chemical Co.	Pfd.	Q.	$1.37½	July 31	July 8
DuPont (E. I.) de Nemours & Co.	DS.	Q.	$1.50	July 24	July 9
Emerson Drug Co.	A com.	Q.	50c.	July 1	June 22
Emerson Drug Co.	B com.	Q.	50c.	July 1	June 22
Froedtert Grain & Malting Co.	Pfd.	Q.	30c.	July 25	July 15
Froedtert Grain & Malting Co.	Com.	..	15c.	July 26	July 15
Froedtert Grain & Malting Co.	Com.	Ext.	$1.05	July 26	July 15
Eureka Pipe Line Co.	.....	..	$1.00	Aug. 2	July 15
Lone Star Gas Corp.	Pfd.	Q.	$1.63	July 31	July 14
Revere Copper & Brass Co.	5¼% pfd.	Q.	$1.31¼	Aug. 2	July 10
Revere Copper & Brass Co.	7% pfd.	Q.	$1.75	Aug. 2	July 10
Solvay American Investment Corp.	Pfd.	Q.	$1.37½	Aug. 16	July 15
Squibb (E. R.) & Sons	Pfd.	Q.	$1.50	Aug. 2	July 15
Sun Ray Drug Co.	Com.	..	20c.	July 26	July 15
Sun Ray Drug Co.	Pfd.	Q.	37½c.	Aug. 2	July 15
Vulcan Detinning Co.	Pfd.	Q.	$1.75	July 20	July 10
Walgreen Co.	Com.	Q.	50c.	Aug. 1	July 15
West Coast Oil Co.	Pfd.	Q.	$1.00	July 6	July 1
Wilson & Co.	Pfd.	Q.	$1.50	Aug. 2	July 15
Wilson & Co.	Com.	Q.	12½c.	Sept. 1	Aug. 14

Business Wants and Offers

Minimum rate (36 words), without display, $2.00 per insertion; 25c for each additional 6 words

Payable in advance at 12 Gold Street, New York

Agencies Wanted

SALES REPRESENTATION on a strictly commission basis for crude drugs, chemicals, essential oils and sundry items, wanted by an experienced man having successfully covered the drug, pharmaceutical, soap and chemical industry for fifteen years. BOX 270, Oil, Paint and Drug Reporter.

Equipment Offered

FOR SALE—Five roller mill, lead mixers, semi-paste mixers, roller mills, pony mixers, change can mixers, pebble mills, dry mixers. Day rapid sifter No. 3. We buy surplus machinery. BOX 281, Oil, Paint and Drug Reporter.

FROM the $10,000,000 Spreckels liquidation. —Three No. 4 Vallez rotary filters; 42-inch cast iron; 40 A. T. & M. 40-inch bronze basket centrifugal machines arranged in batteries of 3, 4, 6 and 8; 1 Swenson triple effect evaporator, copper tubes, 2,000 sq. ft. per effect; 120 motors, 5 h.p. to 150 h.p., 3 phase, 60 cycle, 220 volts; 500 tons valves and fittings; miscellaneous vacuum, centrifugal and steam pumps; compressors, engines; 9 Heine water tube boilers, 500 h.p. each, 180 lb. pressure, with Murphy automatic stokers; 50 bucket elevators; 150 steel storage tanks, 500 gals. to 10,000 gals.; 15 horizontal jacketed, closed mixing tanks, 5,000 to 10,000 gallons each; miscellaneous screw and belt conveyors, etc. Send us your inquiries. Arrange to visit plant, Consolidated Products-Spreckels Liquidation, Yonkers, N. Y. Telephone: Yonkers 2400.

FOR SALE—Complete shellac cutting plant with a minimum capacity of 250 gallons per day, consisting of three 250 gallon agitator tanks, DeLaval separator, can filling machine, grinder and elevator, two gear pumps, with piping, shafting, belt, etc. Photograph on request. BOX 282, Oil, Paint and Drug Reporter.

FOR SALE—Two No. 7 fans, American sirocco with stainless steel blades and housing, right and left; down blast discharge; housing overhung wheel, two bearings on drive side. Hall Metal Products Company, 1285 West Ninth street, Long Beach, Calif.

Equipment Offered

FIND WHAT you want right in New York City. Pony mixers, post mixers, Day sifter-mixers, portable mixers, revolvators, jacketed kettles, tanks, three-roller mills, dough mixers. Storms-Harvey Equipment Co., 123 Bleecker street, SPring 7-8955.

PEBBLE MILLS—2 jar 4 gallon mill brick lined 2-6-25-30-50-70 gallons capacity, 20 and 150 gallon autoclaves; 5 ft. x 12 ft. vacuum drum dryer; 3 H. P. high pressure gas boiler. Lawler Engineering Co., Durham avenue and L. V. R. R., Metuchen, N. J.

Factories Offered

BRICK FACTORY, one story, 6,500 sq. ft., exceptional headroom, concrete floor, live steam available 24 hours day, no columns, railroad siding, yard, unrestricted district, Newark, N. J.; low rent. The R. L. Kraft Company, Woolworth Building. COrt 7-9377.

Instruction

INDUSTRIAL COURSES—Paints, varnishes, cellulose esters, synthetic resins (factory directions), plastics, dyes, oils, cosmetics, soap, sugar, water treatment, etc., (thirty fields); chemistry, chemical engineering and bacteriology; class or mail. Industrial Consultants, 3404C Baring street, Philadelphia, Pa.

Materials Offered

FOR SALE—Thionyl chloride, Hooker's, in original carboys; 5 tons, 16c. pound, f.o.b. Philadelphia; returnable carboys; subject prior sale. BOX 294, Oil, Paint and Drug Reporter.

Materials Wanted

WILL BUY any quantity surplus or by-product chemicals, greases, waxes, oils, solvents, colors, metal and all raw materials. We pay highest prices. Will also buy complete plant inventory. Write Barclay Chemical Company, Inc., 75 Varick street, New York City. WAlker 5-4250.

LARGE COMPANY, interested in supplier or formula for plastic acid-proof cements for tile tank lining. BOX 300, Oil, Paint and Drug Reporter.

Positions Vacant

CHEMIST WANTED—Eastern varnish manufacturer wants a man thoroughly experienced in formulation and manufacture of oil soluble phenolics. Give particulars regarding past experience and salary expected. BOX 257, Oil, Paint and Drug Reporter.

CALIFORNIA is waiting for capable paint chemist and formulator. Large Western manufacturer desires man of experience. Answers will be kept confidential. Give age, details of past performance and salary desired. BOX 271, Oil, Paint and Drug Reporter.

SALESMAN WANTED, who now is selling chemicals, for sideline of imported chemicals. Answer should state classes of trade now called upon as well as chemicals now sold. BOX 278, Oil, Paint and Drug Reporter.

SALESMEN WANTED now selling chemicals, colors, dyestuffs, oils, waxes, solvents or similar products. Can offer attractive side line proposition; will not interfere with products you are now handling. Substantial commissions. Write for full particulars. BOX 283, Oil, Paint and Drug Reporter.

EXPERIENCED SALESMAN wanted having complete technical knowledge and experience in application of inerts, such as clays, whiting, mica, earth colors, etc., in paint, rubber, and allied industries. State fully experience and qualifications. A desirable opportunity with a responsible nationally known organization. BOX 287, Oil, Paint and Drug Reporter.

WANTED—Experienced tablet maker and coater as foreman by Central New York pharmaceutical concern. State age, where employed, when available and salary expected. Permanent position if qualified. BOX 295, Oil, Paint and Drug Reporter.

Positions Wanted

EXPORT, IMPORT, domestic buyer, salesman, twenty years' unusual diversified experience, wholesale drugs, chemicals and all allied lines, desires position. BOX 244, Oil, Paint and Drug Reporter.

CAPABLE heavy chemical salesman and branch manager desires connection in this industry. Present connection foreign to training and experience. BOX 284, Oil, Paint and Drug Reporter.

Positions Wanted

SALES EXECUTIVE, successfully identified with chemical and allied interests for twenty years; wide experience; knows markets; possesses sound business judgment and capable of getting and building business. Christian faith, age forty-two, married, perfect health. Investigation of his background will prove enviable record of accomplishment and substantial earning power. Available immediately. BOX 291, Oil, Paint and Drug Reporter.

SALESMEN—Paints, varnishes and colors, 25 years' selling experience with extensive following among leading consumers in the metropolitan area, wishes to connect with first-class manufacturing concern. Commission basis only. BOX 292, Oil, Paint and Drug Reporter.

CHEMICAL-MECHANICAL engineer. Design, erect, operate modern plant for roasting white and yellow corn dextrines. Supervise mechanical and manufacturing operations; acidification, cooking, sifting, blending, packing. Furnish formulas, advise regarding application of products. BOX 293, Oil, Paint and Drug Reporter.

ORGANIC RESEARCH chemist who has had extensive practical experience in petroleum refining. BOX 296, Oil, Paint and Drug Reporter.

MANUFACTURING and research chemist, M. S., experienced in foods, fermentation, cosmetics, essential oils and pharmaceuticals. BOX 297, Oil, Paint and Drug Reporter.

CHEMIST with training in analytical and organic research, also physical chemistry. Knowledge of chemical literature. BOX 298, Oil, Paint and Drug Reporter.

CHEMIST, chemical engineer, age 25; B.S. 1935; Ch.E. 1936, edible oil plant experience, desires oil or paint connection; go anywhere, located at present in New York. BOX 299, Oil, Paint and Drug Reporter.

Surplus Stock

CHECK INVENTORIES. — Cash for any quantity surplus finished or raw material —chemicals, oils, coaltar products, metals, drugs, pharmaceuticals, gums, wastes and by-products. Entire plants bought. Chemical Service Corp., 101A East 19th Street, New York, STuyvesant 9-0134.

REBUILT MACHINERY SELECTED ITEMS

16—Pebble Mills, porcelain and silex lined, 10 to 1,000 gals., some with roller bearings.
5—Colton Stokes & Mulford Tablet Machines, ½" to 2" dia.
3—500 gal. Aluminum Jack. Agit. Kettles.
2—26" Tolhurst Extractors, rubber lined baskets.
10—Dry Powder Mixers, 100 lbs. to 2,200 lbs. capacity.
1—Colton No. 10 worm type Paste Filler.
5—Day Pony Mixers, 8, 15 and 40 gals.
8—Paste Mixers, 50 to 100 gals.
1—700 gal. Duriron Jack. Kettles, closed.
2—W. & P. Jack. Mixers, 200 gal., power tilting, sigma blades.
25—Filter Presses, 6" to 42" size.
3—Buffalo 32"x90" Double Drum Atmospheric Dryers.
2—W. & P. Jacketed Mixers, 100 gal., power tilting, heated sigma blades.
9—Devine and Buffalo Vacuum Shelf Dryers, assorted sizes.
8—Copper and Aluminum Jacketed Kettles, 175 to 400 gals.
9—Roller Mills 3x10 up to 16x40.

Miscellaneous; Dryers; Mixers; Filters and Filter Presses; Kettles; Pulverizers; Mills; Grinders; Tanks; Pumps; Boilers; etc. Send for our Bulletins.

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CENTRIFUGALS* Fletcher stainless steel 40" basket, bottom discharge, 15 H.P.; Tolhurst 40" suspended galvanized steel basket, bottom discharge, 10 H.P.; Tolhurst 48" suspended copper basket, 7½ H.P. Motor.

CRYSTALIZER* Buffalo Foundry 6' Top Drive.

DRYERS* Devine Vacuum Chamber also Single and Double Drum Atmospheric Dryer.

EVAPORATORS* Devine Single Effect 4'x14' 144 2½" brass tubes with 4'x5'x6" wet vacuum pump; Buffalo No. 55 Triple Effect, inclined rapid circulating type complete; Swenson 4' Single Effect with 4'6" crystalizer.

KETTLES* 2 Horizontal Jacketed and Agitated Lard Renderers 4'x9'; 1 Cast Iron 44"x46", Jacketed, closed and agitated; 2 Copper 6'x5'6" with agitator, Coils, etc.; 1 Duriron 4'6"x4' deep, agitated and jacketed.

MILLS* 1 Raymond Roller Mill, low side, 4 rolls; 1 Williams Hammermill 50 H.P. Motor; 2 No. 2 Mead Mills; 1 Jay Bee 83 Hammermill with 30 H.P. A.C. Motor—and others.

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Oates 5' diameter condenser.
Badger 6' diameter condenser and wet vacuum pump.
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8' diameter Lead lined with lead coil.
3'6" diameter mounted on stand.
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1—Pfaudler 150 gallon, agitated, jacketed Vacuum Still, never used.
4—Valley Iron Works cast iron, jacketed, agitated Autoclaves from laboratory to 150 gallons (high pressures).
3—Pfaudler 150 gallon tilting type, agitated (double motion) Tanks.
1—Premier 5 in. Colloid Mill.
1—Lacta Clarifier.
6—Shriver 36 in. x 36 in. wood and iron Filter Presses.
1—500 gallon, Stainless Steel Tank.

Send for complete lists!

STEIN-BRILL CORPORATION
185 Varick St., New York, N. Y.

Meyer Meadow, of the Capitol Paint & Varnish Works, has been appointed chairman of the board of credit appraisal of the Paint and Allied Industries Credit Association, succeeding W. H. Woods, resigned.

National Carbon Research Laboratories, Inc., Cleveland, Ohio, unit of the Union Carbide & Carbon Corporation, completed its tenth consecutive year, or 1,448,908 man-hours, without a lost-time accident.

Sales Below Cost Are Banned in Pennsylvania

Pennsylvania now prohibits the sale of merchandise below cost. The governor, on July 2, signed a bill authorizing district attorneys to prosecute complaints against dealers. The act provides a maximum fine of $500. The law excepts perishable goods, legitimate clearance sales or sales to meet competition in comparable goods not sold below cost.

Bauxite Mud Used for Paint

A new use, as a paint material, has been found for the red mud residues obtained as a by-product in the manufacture of aluminum from bauxite, according to information received by the Department of Commerce from the assistant trade commissioner at Paris. Up to the present time about the only uses for the residue were for the purification of illuminating gas and for coating purposes in the ceramic industry. Recent research work on the red mud developed that the product could be utilized for painting the sails of fishing boats, and it is stated that the canvas so treated holds up well under all conditions.

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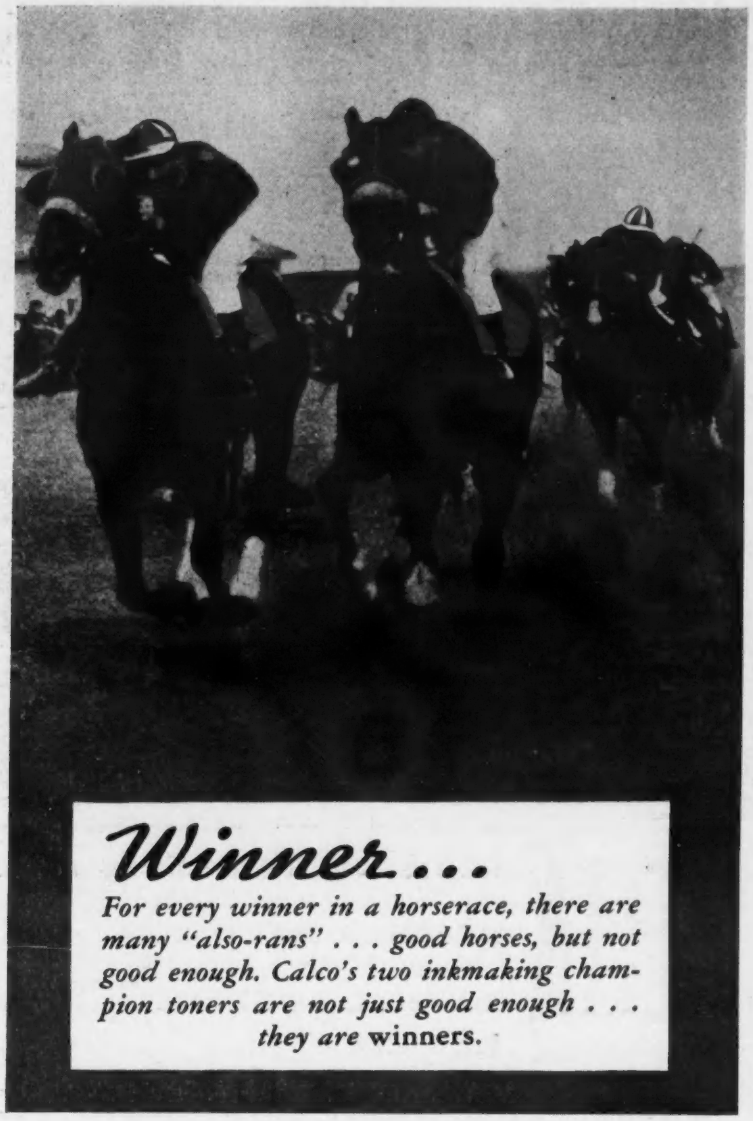

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● Alkali Blue Toner is obtainable in different types of bronzes varying in an undertone range from decided red to a very clear green tone. Ink Bodies, without varnish separation, are compounded to meet your specifications.

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